

# **MIXPAC™ Systems for Adhesives**

## 2-Component Industry

Innovation in Application





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# Overview Industry Systems

The Mixpac **A-System** is suitable for dispensers with 50mL volume, mixing ratios 1:1, 2:1, 4:1, 10:1, combinable with dedicated mixing tips.

**MIXPAC™**  
A-System

The Mixpac **Machine Mixers** assortment includes lengths, diameters, mixer tips and other accessories.

**MIXPAC™**  
Machine Mixers

The Mixpac **F-System** is manufactured from high quality, chemical resistant plastics to meet stringent shelf-life stability and metering requirements for your formulated products. Suitable for dispensers up to 400mL volume, mixing ratios 1:1, 2:1, 4:1, 10:1, combinable with Helix and Quadro mixing tips.

**MIXPAC™**  
F-System

**MIXPAC™**  
Blueline

The Mixpac **Blueline** System is suitable for high viscosity material that is difficult to dispense and for material with flow issues. Available for 400mL cartridges, mixing ratios 2:1, 10:1, combinable with T-mixer mixing tips.

**MIXPAC™**  
K-System

The Mixpac **K-System** is suitable both for industry as well as DIY users. Thanks to a range of mixing ratios, materials and colors.

**MIXPAC™**  
C-System

The Mixpac **C-System** is manufactured from high quality, chemical resistant plastics to meet stringent shelf-life stability and metering requirements for your formulated products. Suitable for dispensers up to 400mL volume, mixing ratios 1:1, 2:1, 4:1, 10:1, combinable with dedicated mixing tips.

**MIXPAC™**  
B-System

The Mixpac **B-System** meets the growing demand in the industrial and trade markets for reliable, safe, easy-to-use application systems for 2-component adhesives and sealants. Suitable for dispenser volume 25mL, 50mL and 75mL, mixing ratios 1:1, 2:1, 4:1, 10:1, combinable with Helix and Quadro mixing tips.







# MIXPAC™ A-System Overview

## 50/75mL Industrial Set

ACCESSORIES

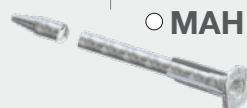
### Accessories

|                                                                                   | ID               | Article              |
|-----------------------------------------------------------------------------------|------------------|----------------------|
|  | 101651           | BRT 205-10           |
|  | 102274           | IOT 406-15           |
|  | 102277           | IOT 506-15           |
|  | 102356<br>102357 | LA 05-00<br>LA 06-08 |

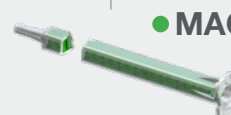
### Outlet Tip

|                                                                                    |                   |
|------------------------------------------------------------------------------------|-------------------|
|  | Tapered Tip (S)   |
|  | Straight Tip (D)  |
|  | Luer Slip Tip (L) |
|  | Stepped Tip (T)   |

MIXER



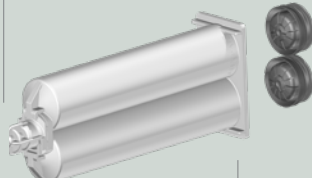
○ MAH (Helix)



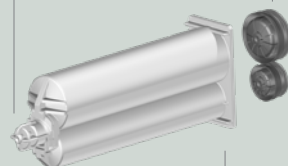
● MAQ (Quadro)

50mL

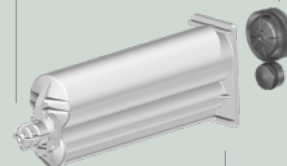
CARTRIDGE



1:1



2:1



4:1

DISPENSER



● DMA

## Piston Retention Plate

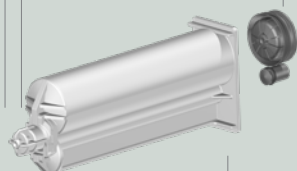


| Ratio    | ID     | Article                                                                                          |
|----------|--------|--------------------------------------------------------------------------------------------------|
| 1:1/2:1  | 103213 | PR 050-01-02  |
| 4:1/10:1 | 103214 | PR 050-04-10  |

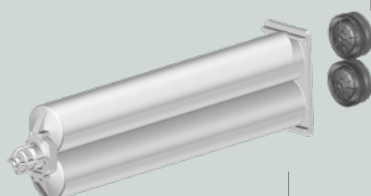


● MAHX (Helix)

75mL



10:1



1:1



● DP

# MIXPAC™ A-System Cartridge Set

## 50/75 Industrial Set

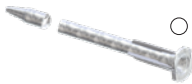
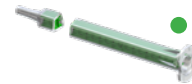
Cartridge Assembly 50/75mL



| Ratio Set/<br>Volume | ID     | Article         | Cartridges<br>Material/<br>Color | Piston Type/<br>Material                                                                                   | O-ring | Units/<br>Box | Mixer<br>Technology | Matching<br>Dispenser |
|----------------------|--------|-----------------|----------------------------------|------------------------------------------------------------------------------------------------------------|--------|---------------|---------------------|-----------------------|
| 1:1<br>50mL          | 110353 | AA 050-01-10-01 | PP/ ○                            | PP, self-venting                                                                                           | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 112781 | AA 050-01-10-02 | PP/ ○                            | PP, self-venting                                                                                           | EPDM   | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 110507 | AA 050-01-10-03 | PP/ ○                            | PP                                                                                                         | EPDM   | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 116606 | AA 050-01-10-05 | PP/ ●                            | HDPE, solid piston                                                                                         | EPDM   | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 116878 | AA 050-01-10-06 | PP/ ○                            | A-piston self-venting lip seal piston<br>PA with EPDM O-ring, B-Piston<br>self-venting lip, seal piston PP | EPDM   | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 154840 | AA 050-01-10-33 | PP/ ○                            | HDPE, self-venting                                                                                         | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 154826 | AA 050-01-10-34 | PP/ ○                            | HDPE, self-venting                                                                                         | EPDM   | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 116221 | AA 050-01-30-01 | PA/ ○                            | PA, self-venting                                                                                           | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 116415 | AA 050-01-30-02 | PA/ ○                            | PA, self-venting                                                                                           | EPDM   | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 154841 | AA 050-01-30-33 | PA/ ○                            | HDPE, self-venting                                                                                         | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
| 1:1<br>75mL          | 154852 | AA 050-01-30-37 | PA/ ●                            | HDPE, self-venting                                                                                         | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 116107 | AA 075-01-10-01 | PP/ ○                            | PP, self-venting                                                                                           | -      | 625           | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 116420 | AA 075-01-10-02 | PP/ ○                            | HDPE, solid piston                                                                                         | EPDM   | 625           | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 154874 | AA 075-01-10-33 | PP/ ○                            | HDPE, self-venting                                                                                         | -      | 625           | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 154876 | AA 075-01-10-34 | PP/ ○                            | HDPE, self-venting                                                                                         | EPDM   | 625           | MAH ○ MAQ ●         | DMA ● DP ●            |
| 2:1<br>50mL          | 111201 | AA 050-02-10-01 | PP/ ○                            | PP, self-venting                                                                                           | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 111374 | AA 050-02-10-03 | PP/ ○                            | HDPE, solid piston                                                                                         | EPDM   | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 116416 | AA 050-02-30-01 | PA/ (N)                          | PA, self-venting                                                                                           | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 154690 | AA 050-02-10-33 | PP/ ○                            | HDPE, self-venting                                                                                         | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 154644 | AA 050-02-10-34 | PP/ ○                            | HDPE, self-venting                                                                                         | EPDM   | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
|                      | 154691 | AA 050-02-30-33 | PA/ ○                            | HDPE, self-venting                                                                                         | -      | 1250          | MAH ○ MAQ ●         | DMA ● DP ●            |
| 4:1<br>50mL          | 116417 | AA 050-04-10-01 | PP/ ○                            | A-piston, PA, self-venting lip seal;<br>B-piston, HDPE, solid piston with O-ring                           | EPDM   | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |
|                      | 116676 | AA 050-04-10-03 | PP/ ○                            | HDPE, solid piston                                                                                         | EPDM   | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |
|                      | 116877 | AA 050-04-30-02 | PA/ (N)                          | A-piston, PA, self-venting lip seal;<br>B-piston, PA, solid piston with O-ring                             | EPDM   | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |
| 10:1<br>50mL         | 116418 | AA 050-10-10-01 | PP/ ○                            | A-piston, PP, self-venting lip seal;<br>B-piston, HDPE, solid piston with O-ring                           | -      | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |
|                      | 116419 | AA 050-10-30-01 | PA/ (N)                          | A-piston, PA, self-venting lip seal;<br>B-piston, PA, solid piston with O-ring                             | -      | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |
|                      | 116675 | AA 050-10-10-02 | PP/ ○                            | HDPE, solid piston                                                                                         | EPDM   | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |
|                      | 116917 | AA 050-10-10-03 | PP/ ○                            | A-piston, PP, self-venting lip seal;<br>B-piston, HDPE, solid piston with O-ring                           | EPDM   | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |
|                      | 128166 | AA 050-10-20-03 | PBT/ (N)                         | A-piston, PA, self-venting lip seal;<br>B-piston, PA, solid piston with O-ring                             | -      | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |
|                      | 116915 | AA 050-10-30-02 | PA/ ○                            | A-piston, PA, self-venting lip seal;<br>B-piston, PA, solid piston with O-ring                             | EPDM   | 1250          | MAHX ● MAQ ●        | DMA ● DP ●            |



## Matching mixers

|                                                                                                                             | ID     | Article          | Number of Elements | Inner Diameter Ø mm/inch | Waste Volume (mL) | Units/Box | Outlet Tip      |                  |                   |                 | Accessories |            |            |          |          |
|-----------------------------------------------------------------------------------------------------------------------------|--------|------------------|--------------------|--------------------------|-------------------|-----------|-----------------|------------------|-------------------|-----------------|-------------|------------|------------|----------|----------|
|                                                                                                                             |        |                  |                    |                          |                   |           | Stepped Tip (T) | Straight Tip (D) | Luer Slip Tip (L) | Tapered Tip (S) | BRT 205-10  | IOT 406-15 | IOT 506-15 | LA 05-00 | LA 06-08 |
| <b>1:1/2:1</b><br><b>MAH</b><br>            | 102361 | MAH 03-07S       | 7                  | 3.0/0.118                | 0.24              | 15000     |                 |                  |                   | ✓               |             |            |            |          |          |
|                                                                                                                             | 102362 | MAH 03-13S       | 13                 | 3.0/0.118                | 0.36              | 12000     |                 |                  |                   | ✓               |             |            |            |          |          |
|                                                                                                                             | 102364 | MAH 03-17S       | 17                 | 3.0/0.118                | 0.34              | 10000     |                 |                  |                   | ✓               |             |            |            |          |          |
|                                                                                                                             | 102366 | MAH 04-13S       | 13                 | 4.0/0.157                | 0.60              | 10000     |                 |                  |                   | ✓               |             |            |            |          |          |
|                                                                                                                             | 102367 | MAH 04-17D       | 17                 | 4.0/0.157                | 0.75              | 7000      |                 | ✓                |                   |                 |             | ✓          |            |          |          |
|                                                                                                                             | 102368 | MAH 04-17S       | 17                 | 4.0/0.157                | 0.75              | 7500      |                 |                  |                   | ✓               |             |            |            |          |          |
|                                                                                                                             | 102369 | MAH 05-07T       | 7                  | 5.4/0.213                | 0.80              | 10000     | ✓               |                  |                   |                 |             |            |            | ✓        |          |
|                                                                                                                             | 102370 | MAH 05-13D       | 13                 | 5.4/0.213                | 1.36              | 7000      |                 | ✓                |                   |                 | ✓           |            | ✓          |          |          |
|                                                                                                                             | 102371 | MAH 05-13T       | 13                 | 5.4/0.213                | 1.36              | 6500      | ✓               |                  |                   |                 |             |            |            | ✓        |          |
|                                                                                                                             | 102360 | MAH 0517-0413T   | 17 +13             | 5.4/0.213<br>4.0/0.157   | 2.07              | 4000      | ✓               |                  |                   |                 |             |            |            |          |          |
|                                                                                                                             | 102372 | MAH 05-17T       | 17                 | 5.4/0.213                | 1.68              | 4000      | ✓               |                  |                   |                 |             |            |            | ✓        |          |
|                                                                                                                             | 102373 | MAH 05-21T       | 21                 | 5.4/0.213                | 2.01              | 3000      | ✓               |                  |                   |                 |             |            |            | ✓        |          |
|                                                                                                                             | 102377 | MAH 06-12T       | 12                 | 6.3/0.248                | 2.08              | 4500      | ✓               |                  |                   |                 |             |            |            |          | ✓        |
|                                                                                                                             | 102378 | MAH 06-17T       | 17                 | 6.3/0.248                | 2.94              | 3000      | ✓               |                  |                   |                 |             |            |            |          | ✓        |
|                                                                                                                             | 102379 | MAH 06-21L       | 21                 | 6.3/0.248                | 3.33              | 4000      |                 |                  | ✓                 |                 |             |            |            |          |          |
|                                                                                                                             | 102380 | MAH 06-21T       | 21                 | 6.3/0.248                | 3.57              | 2500      | ✓               |                  |                   |                 |             |            |            |          | ✓        |
| <b>4:1/10:1</b> MAHX<br>                  | 102535 | MAHX 04-17S      | 17                 | 4.0/0.157                | 0.75              | 7500      |                 |                  |                   | ✓               |             |            |            |          |          |
|                                                                                                                             | 102536 | MAHX 05-17T      | 17                 | 5.4/0.213                | 1.68              | 4000      | ✓               |                  |                   |                 |             |            |            | ✓        |          |
| <b>1:1/2:1/4:1/10:1</b><br><b>MAQ</b><br> | 300028 | MAQ 05-16L       | 16                 | 5.3/0.209                | 1.30              | 5000      |                 |                  | ✓                 |                 |             |            |            |          |          |
|                                                                                                                             | 300026 | MAQ 05-24L       | 24                 | 5.3/0.209                | 1.90              | 3000      |                 |                  | ✓                 |                 |             |            |            |          |          |
|                                                                                                                             | 300391 | MAQ 05-16L-12 ●* | 16                 | 5.3/0.209                | 1.30              | 5000      |                 |                  | ✓                 |                 |             |            |            |          |          |
|                                                                                                                             | 300405 | MAQ 05-16L-13 ●* | 16                 | 5.3/0.209                | 1.30              | 5000      |                 |                  | ✓                 |                 |             |            |            |          |          |
| * different color                                                                                                           |        |                  |                    |                          |                   |           |                 |                  |                   |                 |             |            |            |          |          |

## Matching dispensers

|                                                                                                                         | ID     | Article       | Flange | Ratio |     |     |      | Force |
|-------------------------------------------------------------------------------------------------------------------------|--------|---------------|--------|-------|-----|-----|------|-------|
|                                                                                                                         |        |               | A      | 1:1   | 2:1 | 4:1 | 10:1 | (kN)  |
| <b>DMA</b><br>dispenser manual<br>   | 101875 | DMA 51-00-10  | ✓      | ✓     | ✓   |     |      | 1.2   |
|                                                                                                                         | 101883 | DMA 54-00-10  | ✓      | ✓     | ✓   | ✓   |      | 1.2   |
|                                                                                                                         | 112790 | DMA 59-00-10  | ✓      | ✓     | ✓   |     | ✓    | 1.2   |
|                                                                                                                         | 111746 | DMA 75-00-10  | ✓      | ✓     |     |     |      | 1.2   |
| <b>DP</b><br>dispenser pneumatic<br> | 151780 | DP2 50-16-100 | ✓      | ✓     | ✓   | ✓   | ✓    | 1.6   |
|                                                                                                                         | 153098 | DP2 75-16-100 | ✓      | ✓     |     |     |      | 1.6   |

# MIXPAC™ B-System

## Overview

### 25/50/75mL Industrial Set

ACCESSORIES

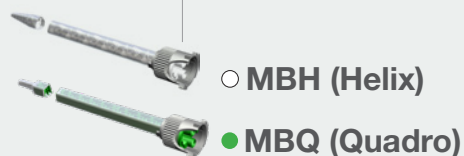
#### Accessories

|                                                                                   | ID     | Article    |
|-----------------------------------------------------------------------------------|--------|------------|
|  | 101651 | BRT 205-10 |
|  | 102274 | IOT 406-15 |
|  | 102277 | IOT 506-15 |
|  | 129178 | IOT 715-50 |
|                                                                                   | 102356 | LA 05-00   |
|                                                                                   | 102357 | LA 06-08   |

#### Outlet Tip

|                                                                                     |                   |
|-------------------------------------------------------------------------------------|-------------------|
|   | Tapered Tip (S)   |
|  | Straight Tip (D)  |
|  | Luer Slip Tip (L) |
|  | Stepped Tip (T)   |

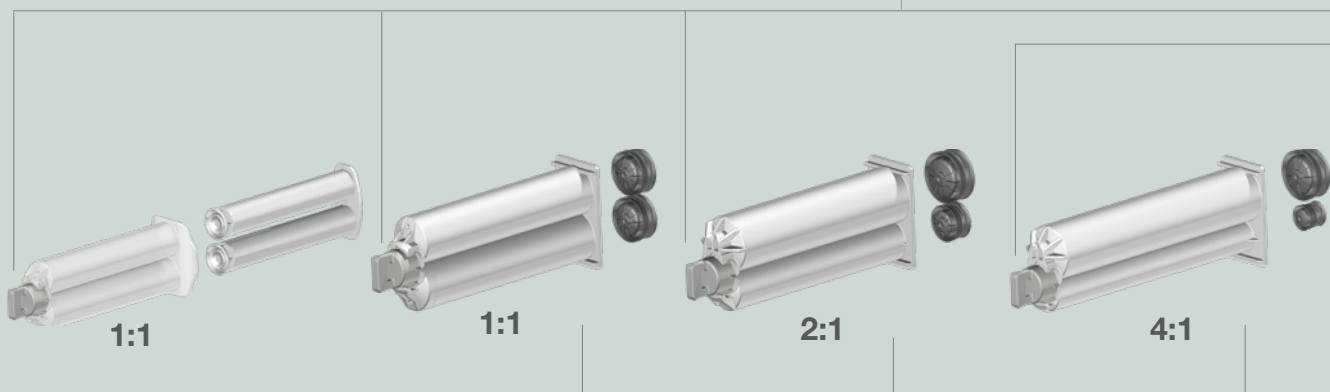
MIXER



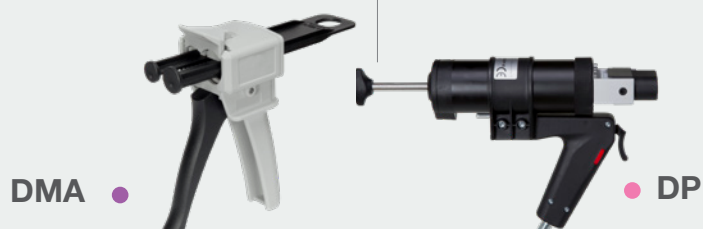
25mL

50mL

CARTRIDGE



DISPENSER





### Interface Converter

B-System => K-System

| Ratio    | ID     | Article     |
|----------|--------|-------------|
| 1:1/2:1  | 128201 | IBK 001-10  |
| 4:1/10:1 | 128202 | IBKX 001-10 |



### Interface Mixer

K-System

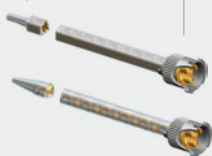
| Ratio    | Article |
|----------|---------|
| 1:1/2:1  | MKH     |
| 4:1/10:1 | MKHX    |

=> for further information see K-System

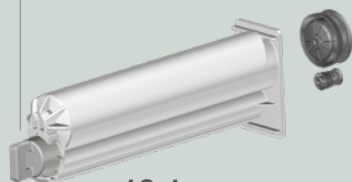
### Piston Retention Plate



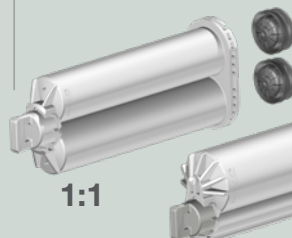
| Ratio    | ID     | Article        |
|----------|--------|----------------|
| 1:1/2:1  | 113719 | PRS 050-01-02  |
| 4:1/10:1 | 116564 | PRS 050-04-10A |



- MBHX (Helix)
- MBQX (Quadro)



10:1



1:1

10:1

BS flange

50mL



1:1

10:1

75mL



● DP

● DMB



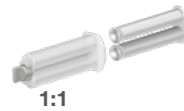
● DP

● DS

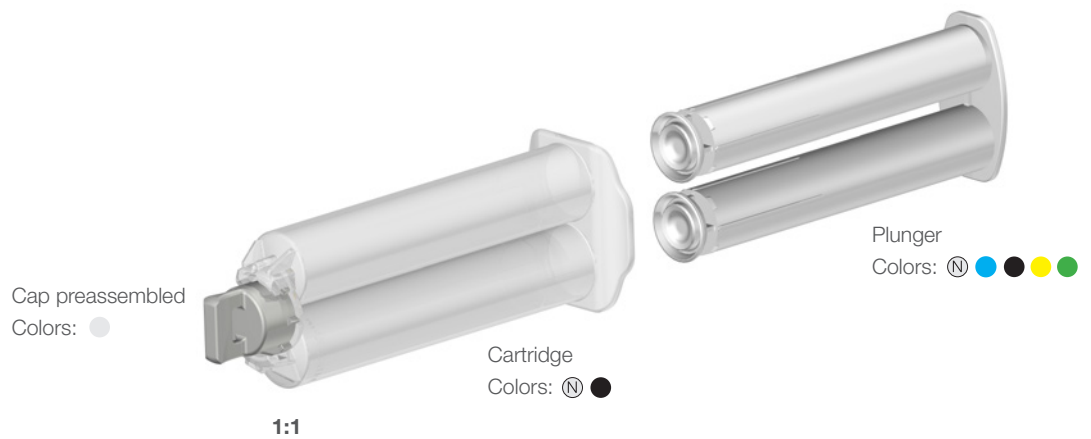


# MIXPAC™ B-System Cartridge Set

## 25 Industrial Set Cartridge Assembly 25mL



1:1



| Ratio Set/ Volume | ID     | Article         | Cartridges Material/Color | Plunger | Units/ Box | Mixer Technology |  |
|-------------------|--------|-----------------|---------------------------|---------|------------|------------------|--|
| 1:1<br>25mL       | 116647 | AB 025-01-10-01 | PP/ ①                     | ①       | 1000       | MBH ○ MBQ ●      |  |
|                   | 116924 | AB 025-01-10-02 | PP/ ①                     | ●       | 1000       | MBH ○ MBQ ●      |  |
|                   | 116926 | AB 025-01-10-05 | PP/ ①                     | ●       | 1000       | MBH ○ MBQ ●      |  |
|                   | 116927 | AB 025-01-10-07 | PP/ ●                     | ●       | 1000       | MBH ○ MBQ ●      |  |
|                   | 128982 | AB 025-01-10-08 | PP/ ●                     | ●       | 1000       | MBH ○ MBQ ●      |  |
|                   | 116649 | AB 025-01-30-01 | PA/ ①                     | ①       | 1000       | MBH ○ MBQ ●      |  |
|                   | 116923 | AB 025-01-30-07 | PA/ ●                     | ●       | 1000       | MBH ○ MBQ ●      |  |
|                   | 129377 | AB 025-01-30-09 | PA/ ●                     | ●       | 1000       | MBH ○ MBQ ●      |  |

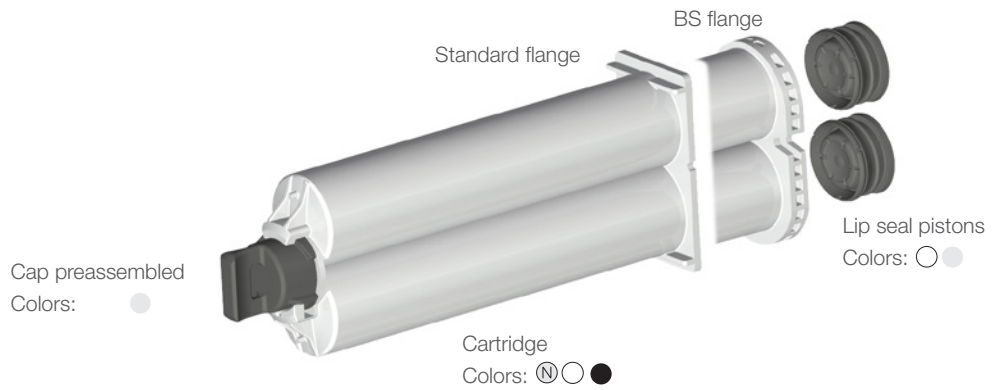
## Matching mixers

|                                                                                                       | ID     | Article    | Number of Elements | Inner Diameter Ø mm/inch | Waste Volume (mL) | Units/Box | Outlet Tip      |                  |                   |                 | Accessories |          |            |            |            |            |
|-------------------------------------------------------------------------------------------------------|--------|------------|--------------------|--------------------------|-------------------|-----------|-----------------|------------------|-------------------|-----------------|-------------|----------|------------|------------|------------|------------|
|                                                                                                       |        |            |                    |                          |                   |           | Stepped Tip (T) | Straight Tip (D) | Luer Slip Tip (L) | Tapered Tip (S) | LA 05-00    | LA 06-08 | BRT 205-10 | IOT 406-15 | IOT 506-15 | IOT 715-50 |
| <b>1:1</b><br>MBH  | 116457 | MBH 03-12D | 12                 | 3.2/0.126                | 0.49              | 8000      | ✓               |                  |                   |                 |             |          |            | ✓          |            |            |
|                                                                                                       | 116458 | MBH 03-12S | 12                 | 3.2/0.126                | 0.49              | 8000      |                 |                  |                   | ✓               |             |          |            |            |            |            |
|                                                                                                       | 116459 | MBH 03-16D | 16                 | 3.2/0.126                | 0.63              | 8000      | ✓               |                  |                   |                 |             |          |            | ✓          |            |            |
|                                                                                                       | 116460 | MBH 03-16L | 16                 | 3.2/0.126                | 0.63              | 7000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |
|                                                                                                       | 116461 | MBH 03-16S | 16                 | 3.2/0.126                | 0.59              | 8000      |                 |                  |                   | ✓               |             |          |            |            |            |            |
|                                                                                                       | 116462 | MBH 04-12D | 12                 | 4.2/0.165                | 0.84              | 7000      | ✓               |                  |                   |                 |             |          |            | ✓          |            |            |
|                                                                                                       | 116463 | MBH 04-16D | 16                 | 4.2/0.165                | 1.04              | 5000      | ✓               |                  |                   |                 |             |          |            | ✓          |            |            |
|                                                                                                       | 116464 | MBH 04-16S | 16                 | 4.2/0.165                | 1.04              | 5000      |                 |                  |                   | ✓               |             |          |            |            |            |            |
|                                                                                                       | 116575 | MBH 05-06T | 6                  | 5.4/0.213                | 0.94              | 8000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |
|                                                                                                       | 116465 | MBH 05-12D | 12                 | 5.4/0.213                | 1.52              | 5000      | ✓               |                  |                   |                 |             |          | ✓          |            | ✓          |            |
|                                                                                                       | 116466 | MBH 05-14D | 14                 | 5.4/0.213                | 1.91              | 4000      | ✓               |                  |                   |                 |             |          | ✓          |            | ✓          |            |
|                                                                                                       | 116467 | MBH 05-16T | 16                 | 5.4/0.213                | 1.91              | 4000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |
|                                                                                                       | 116468 | MBH 05-20T | 20                 | 5.4/0.213                | 2.92              | 3000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |
|                                                                                                       | 116469 | MBH 06-11D | 11                 | 6.5/0.256                | 2.28              | 4000      | ✓               |                  |                   |                 |             |          | ✓          |            | ✓          |            |
|                                                                                                       | 116470 | MBH 06-16T | 16                 | 6.5/0.256                | 3.14              | 3000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |
|                                                                                                       | 116471 | MBH 06-20T | 20                 | 6.5/0.256                | 3.76              | 2000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |
|                                                                                                       | 116472 | MBH 07-11D | 11                 | 7.5/0.295                | 3.05              | 4000      | ✓               |                  |                   |                 |             |          |            |            |            | ✓          |
| <b>1:1</b> MBQ     | 114144 | MBQ 05-16L | 16                 | 5.3/0.209                | 1.88              | 3000      |                 | ✓                |                   |                 |             |          |            |            |            |            |
|                                                                                                       | 114145 | MBQ 05-24L | 24                 | 5.3/0.209                | 2.60              | 3000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |

# MIXPAC™ B-System Cartridge Set

## 50/75 Industrial Set

Cartridge Assembly 50/75mL



| Ratio Set/<br>Volume | ID     | Article         | Cartridges<br>Material/<br>Color | Piston Type/<br>Material                                                         | O-ring   | Units/<br>Box | Mixer<br>Technology | Matching<br>Dispenser |
|----------------------|--------|-----------------|----------------------------------|----------------------------------------------------------------------------------|----------|---------------|---------------------|-----------------------|
| 1:1<br>50mL          | 112511 | AB 050-01-10-01 | PP/ ○                            | PP, self-venting                                                                 | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 116347 | AB 050-01-10-02 | PP/ ○                            | PP, self-venting                                                                 | EPDM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 128082 | AB 050-01-10-05 | PP/ ○                            | PP, self-venting                                                                 | Silicone | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154853 | AB 050-01-10-33 | PP/ ○                            | HDPE, self-venting                                                               | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154825 | AB 050-01-10-34 | PP/ ○                            | HDPE, self-venting                                                               | EPDM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154854 | AB 050-01-10-37 | PP/ ●                            | HDPE, self-venting                                                               | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 117031 | AB 050-01-20-01 | PBT/ (N)                         | PA, self-venting                                                                 | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 128335 | AB 050-01-20-02 | PBT/ (N)                         | PA, self-venting                                                                 | EPDM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154855 | AB 050-01-20-33 | PBT/ (N)                         | HDPE, self-venting                                                               | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154824 | AB 050-01-20-34 | PBT/ (N)                         | HDPE, self-venting                                                               | EPDM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154857 | AB 050-01-30-33 | PA/ ○                            | HDPE, self-venting                                                               | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154485 | AB 050-01-30-34 | PA/ ○                            | HDPE, self-venting                                                               | EDPM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154851 | AB 050-01-30-37 | PA/ ●                            | HDPE, self-venting                                                               | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 114099 | AB 050-02-10-01 | PP/ ○                            | PP, self-venting                                                                 | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
| 2:1                  | 116342 | AB 050-02-10-02 | PP/ ○                            | PP, self-venting                                                                 | EPDM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154645 | AB 050-02-10-33 | PP/ ○                            | HDPE, self-venting                                                               | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154646 | AB 050-02-10-34 | PA/ ○                            | HDPE, self-venting                                                               | EPDM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 116354 | AB 050-02-30-01 | PA/ ○                            | PA, self-venting                                                                 | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 116356 | AB 050-02-30-02 | PA/ ○                            | PA, self-venting                                                                 | EPDM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 128346 | AB 050-02-30-03 | PA/ (N)                          | PA, self-venting                                                                 | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154676 | AB 050-02-30-33 | PP/ ○                            | HDPE, self-venting                                                               | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154705 | AB 050-02-30-34 | PA/ ○                            | HDPE, self-venting                                                               | EPDM     | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 154707 | AB 050-02-30-35 | PA/ (N)                          | HDPE, self-venting                                                               | -        | 1250          | MBH ○ MBQ ●         | DMA ● DP ●            |
|                      | 116421 | AB 050-04-10-01 | PP/ ○                            | A-piston, PP, self-venting lip seal;<br>B-piston, PP, solid lip seal             | -        | 625           | MBHX ● MBQX ●       | DMA ● DP ●            |
| 4:1<br>50mL          | 128606 | AB 050-04-10-02 | PP/ ○                            | A-piston, PP, self-venting lip seal;<br>B-piston, PP, solid lip seal with O-ring | EPDM     | 625           | MBHX ● MBQX ●       | DMA ● DP ●            |
|                      | 116422 | AB 050-04-20-01 | PBT/ (N)                         | A-piston, PA, self-venting lip seal;<br>B-piston, PA, solid lip seal             | -        | 625           | MBHX ● MBQX ●       | DMA ● DP ●            |
|                      | 116423 | AB 050-10-10-01 | PP/ ○                            | A-piston, PP, self-venting lip seal;<br>B-piston, PP, solid lip seal             | -        | 625           | MBHX ● MBQX ●       | DMA ● DP ●            |
| 10:1<br>50mL         | 151982 | AB 050-10-10-02 | PP/ ○                            | A-piston, PA, self-venting lip seal;<br>B-piston, HDPE, solid piston with O-ring | EDPM     | 625           | MBHX ● MBQX ●       | DMA ● DP ●            |
|                      | 116424 | AB 050-10-20-01 | PBT/ (N)                         | A-piston, PA, self-venting lip seal;<br>B-piston, PA, solid lip seal             | -        | 625           | MBHX ● MBQX ●       | DMA ● DP ●            |



BS flange

| Ratio Set/<br>Volume | ID     | Article         | Cartridges<br>Material/<br>Color | Piston Type/<br>Material                                                               | O-ring   | Units/<br>Box | Mixer<br>Technology | Matching<br>Dispenser |
|----------------------|--------|-----------------|----------------------------------|----------------------------------------------------------------------------------------|----------|---------------|---------------------|-----------------------|
| 1:1<br>50mL          | 154850 | AB S50-01-10-33 | PP/ ○                            | HDPE, self-venting                                                                     | -        | 1250          | MBH ● MBQ ○         | DS ● DP ●             |
|                      | 154829 | AB S50-01-10-37 | PP/ ●                            | HDPE, self-venting                                                                     | -        | 1250          | MBHX ● MBQX ●       | DS ● DP ●             |
|                      | 154828 | AB S50-01-30-33 | PA/ ○                            | HDPE, self-venting                                                                     | -        | 1250          | MBH ● MBQ ○         | DS ● DP ●             |
|                      | 128619 | AB S75-01-10-01 | PP/ ☉                            | PP, self-venting                                                                       | -        | 625           | MBHX ● MBQX ●       | DS ● DP ●             |
| 75mL                 | 158029 | AB S75-01-10-33 | PP/ ☉                            | HDPE, self-venting                                                                     | -        | 625           | MBHX ● MBQX ●       | DS ● DP ●             |
|                      | 154708 | AB S50-02-10-33 | PP/ ○                            | HDPE, self-venting                                                                     | -        | 1250          | MBHX ● MBQX ●       | DS ● DP ●             |
| 2:1<br>50mL          |        |                 |                                  |                                                                                        |          |               |                     |                       |
| 10:1<br>50mL         | 152458 | AB S50-10-10-01 | PP/ ○                            | PP, self-venting                                                                       |          | 625           | MBHX ● MBQX ●       | DS ● DP ●             |
|                      | 116373 | AB S50-10-20-01 | PBT/ ☉                           | PA, self-venting                                                                       | -        | 1250          | MBHX ● MBQX ●       | DS ● DP ●             |
|                      | 116805 | AB S50-10-20-06 | PBT/ ☉                           | PA, solid lip seal with O-ring                                                         | Silicone | 1250          | MBHX ● MBQX ●       | DS ● DP ●             |
|                      | 152397 | AB S50-10-20-08 | PBT/ ☉                           | A-piston, PA, self-venting lip seal<br>B-piston, PA, solid lip seal with O-ring        | Silicone | 1250          | MBHX ● MBQX ●       | DS ● DP ●             |
| 10:1<br>75mL         | 116449 | AB S75-10-20-02 | PBT/ ☉                           | PA, solid lip seal with O-ring                                                         | Silicone | 900           | MBHX ● MBQX ●       | DS ● DP ●             |
|                      | 116305 | AB S75-10-20-03 | PBT/ ☉                           | PA, solid lip seal with O-ring                                                         | Silicone | 350           | MBHX ● MBQX ●       | DS ● DP ●             |
|                      | 154086 | AB S75-10-20-05 | PBT/ ☉                           | A-piston, PA, self-venting lip seal<br>B-piston, PA, self-venting lip seal with O-ring | Silicone | 900           | MBHX ● MBQX ●       | DS ● DP ●             |

Matching mixers

|                                                                                    |               |                         |                    |                          |                   |           | Outlet Tip      |                  |                   |                 | Accessories |          |            |            |            |            |            |            |
|------------------------------------------------------------------------------------|---------------|-------------------------|--------------------|--------------------------|-------------------|-----------|-----------------|------------------|-------------------|-----------------|-------------|----------|------------|------------|------------|------------|------------|------------|
|                                                                                    |               |                         |                    |                          |                   |           | Stepped Tip (T) | Straight Tip (D) | Luer Slip Tip (L) | Tapered Tip (S) | LA 05-00    | LA 06-08 | BRT 205-10 | IOT 406-15 | IOT 506-15 | IOT 212-20 | IOT 209-20 | IOT 715-50 |
|                                                                                    | ID            | Article                 | Number of Elements | Inner Diameter Ø mm/inch | Waste Volume (mL) | Units/Box |                 |                  |                   |                 |             |          |            |            |            |            |            |            |
|  | 1:1/2:1 MBH   | 116457 MBH 03-12D       | 12                 | 3.2/0.126                | 0.49              | 8000      | ✓               |                  |                   |                 |             |          |            | ✓          |            | ✓          | ✓          |            |
|                                                                                    |               | 116458 MBH 03-12S       | 12                 | 3.2/0.126                | 0.49              | 8000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |
|                                                                                    |               | 116459 MBH 03-16D       | 16                 | 3.2/0.126                | 0.63              | 8000      | ✓               |                  |                   |                 |             |          |            | ✓          |            | ✓          | ✓          |            |
|                                                                                    |               | 116460 MBH 03-16L       | 16                 | 3.2/0.126                | 0.63              | 7000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |
|                                                                                    |               | 116461 MBH 03-16S       | 16                 | 3.2/0.126                | 0.59              | 8000      |                 |                  |                   | ✓               |             |          |            |            |            |            |            |            |
|                                                                                    |               | 116462 MBH 04-12D       | 12                 | 4.2/0.165                | 0.84              | 7000      | ✓               |                  |                   |                 |             |          |            | ✓          |            |            |            |            |
|                                                                                    |               | 116463 MBH 04-16D       | 16                 | 4.2/0.165                | 1.04              | 5000      | ✓               |                  |                   |                 |             |          |            | ✓          |            |            |            |            |
|                                                                                    |               | 116464 MBH 04-16S       | 16                 | 4.2/0.165                | 1.04              | 5000      |                 |                  |                   | ✓               |             |          |            |            |            |            |            |            |
|                                                                                    |               | 116575 MBH 05-06T       | 6                  | 5.4/0.213                | 0.94              | 8000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |            |            |
|                                                                                    |               | 116465 MBH 05-12D       | 12                 | 5.4/0.213                | 1.52              | 5000      |                 | ✓                |                   |                 |             |          |            | ✓          |            | ✓          |            |            |
|                                                                                    |               | 116466 MBH 05-14D       | 14                 | 5.4/0.213                | 1.91              | 4000      |                 | ✓                |                   |                 |             |          |            | ✓          |            | ✓          |            |            |
|                                                                                    |               | 116467 MBH 05-16T       | 16                 | 5.4/0.213                | 1.91              | 4000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |            |            |
|                                                                                    |               | 116468 MBH 05-20T       | 20                 | 5.4/0.213                | 2.29              | 3000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |            |            |
|                                                                                    |               | 116469 MBH 06-11D       | 11                 | 6.5/0.256                | 2.28              | 4000      |                 | ✓                |                   |                 |             |          |            | ✓          |            | ✓          |            |            |
|                                                                                    |               | 116470 MBH 06-16T       | 16                 | 6.5/0.256                | 3.14              | 3000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |            |            |
|                                                                                    |               | 116471 MBH 06-20T       | 20                 | 6.5/0.256                | 3.76              | 2000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |            | ✓          |
|                                                                                    |               | 116472 MBH 07-11D       | 11                 | 7.5/0.295                | 3.05              | 4000      |                 | ✓                |                   |                 |             |          |            |            |            |            |            |            |
|  | 4:1/10:1 MBHX | 116473 MBHX 03-16S      | 16                 | 3.2/0.126                | 0.60              | 7000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |
|                                                                                    |               | 116474 MBHX 04-16D      | 16                 | 4.2/0.165                | 1.05              | 6000      |                 | ✓                |                   |                 |             |          |            | ✓          |            |            |            |            |
|                                                                                    |               | 116576 MBHX 04-16S      | 16                 | 4.2/0.165                | 1.05              | 5000      |                 |                  |                   | ✓               |             |          |            |            |            |            |            |            |
|                                                                                    |               | 116475 MBHX 05-12D      | 12                 | 5.4/0.213                | 1.52              | 5000      |                 | ✓                |                   |                 |             |          |            | ✓          | ✓          | ✓          |            |            |
|                                                                                    |               | 116476 MBHX 05-16T      | 16                 | 5.4/0.213                | 1.91              | 4000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |            |            |
|                                                                                    |               | 116477 MBHX 05-20T      | 20                 | 5.4/0.213                | 2.07              | 3000      | ✓               |                  |                   |                 | ✓           |          |            |            |            |            |            |            |
|                                                                                    |               | 116478 MBHX 06-16D      | 16                 | 6.5/0.256                | 3.14              | 3000      |                 | ✓                |                   |                 | ✓           |          |            |            |            |            |            |            |
|                                                                                    |               | 116480 MBHX 06-16T      | 16                 | 6.5/0.256                | 3.04              | 3000      |                 | ✓                |                   |                 |             |          |            | ✓          |            | ✓          |            |            |
| 116481 MBHX 06-20T                                                                 | 20            | 6.5/0.256               | 3.79               | 2000                     | ✓                 |           |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |
|  | 1:1/2:1 MBQ   | 114144 MBQ 05-16L       | 16                 | 5.3/0.209                | 1.88              | 3000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |
|                                                                                    |               | 154801 MBQ 05-16L-12 ●* | 16                 | 5.3/0.209                | 1.88              | 3000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |
|                                                                                    |               | 114145 MBQ 05-24L       | 24                 | 5.3/0.209                | 2.60              | 3000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |
|  | 4:1/10:1 MBQX | 116063 MBQX 05-16L      | 16                 | 5.3/0.209                | 1.72              | 3000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |
|                                                                                    |               | 116062 MBQX 05-24L      | 24                 | 5.3/0.209                | 2.37              | 3000      |                 |                  | ✓                 |                 |             |          |            |            |            |            |            |            |

\* different color

## Matching dispensers

|                                                                                                                      |        |               |  | Flange |       | Ratio |     |     |      | Force |
|----------------------------------------------------------------------------------------------------------------------|--------|---------------|--|--------|-------|-------|-----|-----|------|-------|
|                                                                                                                      |        |               |  | B 50   | B S50 | 1:1   | 2:1 | 4:1 | 10:1 | (kN)  |
| <b>DMA/DMB</b><br>dispenser manual  | ID     | Article       |  |        |       |       |     |     |      |       |
|                                                                                                                      | 101875 | DMA 51-00-10  |  | ✓      |       | ✓     | ✓   |     |      | 1.2   |
|                                                                                                                      | 116795 | DMB 50-04-01  |  | ✓      |       |       |     | ✓   |      | 1.2   |
| <b>DS</b><br>dispenser manual       | 116794 | DMB 50-10-01  |  | ✓      |       |       |     |     | ✓    | 1.2   |
|                                                                                                                      | 101934 | DS 53-01-00   |  |        | ✓     | ✓     | ✓   |     |      | 1.2   |
|                                                                                                                      | 109146 | DS 51-04-00   |  |        | ✓     |       |     | ✓   |      | 1.2   |
|                                                                                                                      | 101929 | DS 51-10-00   |  |        | ✓     |       |     |     | ✓    | 1.2   |
|                                                                                                                      | 115676 | DS 75-10-00   |  |        | ✓     |       |     |     | ✓    | 1.2   |
|                                                                                                                      | 110938 | DS 77-01-00   |  |        | ✓     | ✓     |     |     |      | 1.2   |
| <b>DP</b><br>dispenser pneumatic   | 151780 | DP2 50-16-100 |  | ✓      |       | ✓     | ✓   |     |      | 1.6   |
|                                                                                                                      | 153094 | DP2 50-16-400 |  | ✓      |       |       |     | ✓   | ✓    | 1.6   |
|                                                                                                                      | 151886 | DP2 50-16-300 |  |        | ✓     |       |     |     | ✓    | 1.6   |
|                                                                                                                      | 151781 | DP2 50-16-200 |  |        | ✓     | ✓     | ✓   |     |      | 1.6   |



A person wearing a grey knitted sweater is using a Sulzer MIXPAC C-System adhesive dispenser. The dispenser is a grey and black tool with a white cartridge of adhesive. The person is applying the adhesive to a curved, light-colored surface, possibly a mold or a piece of equipment. In the background, there is a blue-handled clamp and a wooden board. The overall scene is a workshop or a manufacturing environment.

Introducing  
Sulzer MIXPAC™  
C-Systems



# MIXPAC™ C-System Overview

## 200/400mL Industrial Set

### ACCESSORIES

#### Accessories

|  | ID               | Article                |
|--|------------------|------------------------|
|  | 103663           | TA 10-ET               |
|  | 103664           | TC 10-ET               |
|  | 101656<br>101657 | BSD 10-25<br>BSD 10-40 |
|  | 300326           | BSDQ 08-38             |
|  | 102357<br>102358 | LA 06-08<br>LA 10-00   |

#### Outlet Tip

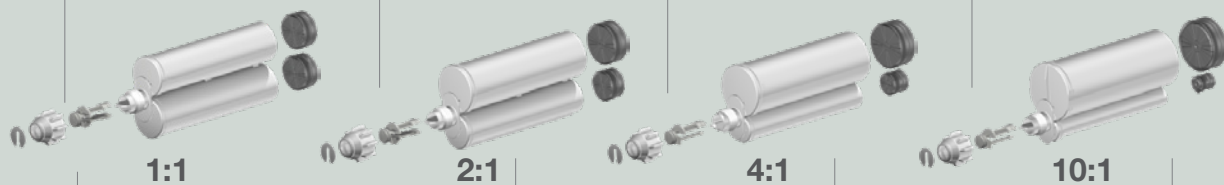
- Tapered Tip (S)
- Straight Tip (D)
- Luer Slip Tip (L)
- Stepped Tip (T)

### MIXER

- MGH (Helix)
- MCH (Helix)
- MCQ (Quadro)
- MGQ (Quadro)

200mL

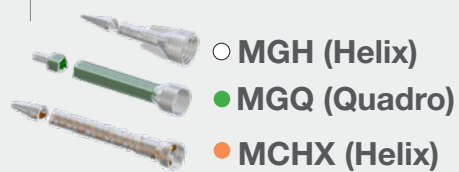
### CARTRIDGE



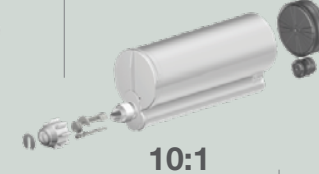
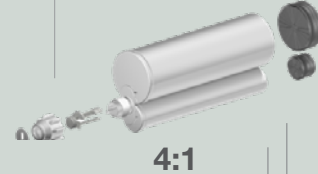
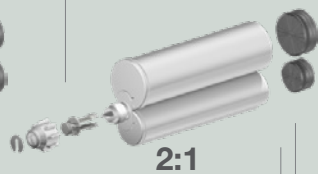
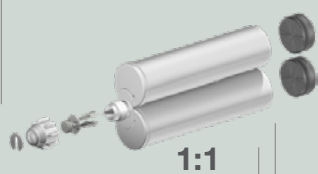
### DISPENSER







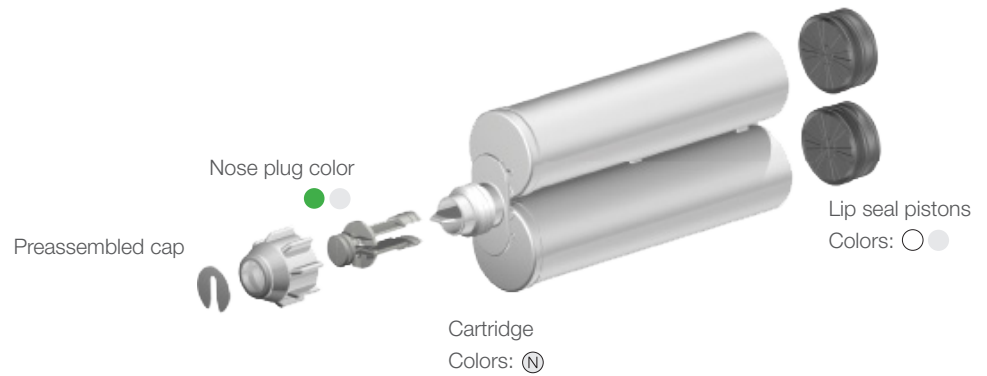
400mL



# MIXPAC™ C-System Cartridge Set

## 200/400 Industrial Set

Cartridge Assembly 200/400mL



| Ratio Set/<br>Volume | ID     | Article         | Cartridges<br>Material/<br>Color | Pistons<br>Material | O-ring | Units/<br>Box | Mixer<br>Technology             | Matching<br>Dispenser |
|----------------------|--------|-----------------|----------------------------------|---------------------|--------|---------------|---------------------------------|-----------------------|
| 1:1<br>200mL         | 112158 | AC 200-01-10-01 | PP/ (N)                          | PP, self-venting    | -      | 300           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 128249 | AC 200-01-10-02 | PP/ (N)                          | PP, self-venting    | -      | 300           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 116338 | AC 200-01-10-03 | PP/ (N)                          | PP, self-venting    | -      | 300           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 116410 | AC 200-01-10-04 | PP/ (N)                          | PP, self-venting    | -      | 300           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 116578 | AC 200-01-10-05 | PP/ (N)                          | PP, self-venting    | -      | 300           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 112698 | AC 200-01-30-01 | PA/ (N)                          | PA, self-venting    | -      | 300           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 127920 | AC 200-01-30-04 | PA/ (N)                          | PA, self-venting    | -      | 300           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
| 1:1<br>400mL         | 103721 | AC 400-01-10-01 | PP/ (N)                          | PP, self-venting    | -      | 180           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 113209 | AC 400-01-10-02 | PP/ (N)                          | PP, self-venting    | -      | 180           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 116317 | AC 400-01-10-04 | PP/ (N)                          | PP, self-venting    | -      | 180           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 115455 | AC 400-01-10-05 | PP/ (N)                          | PP, self-venting    | -      | 180           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 112702 | AC 400-01-30-01 | PA/ (N)                          | PA, self-venting    | -      | 180           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 116412 | AC 400-01-30-04 | PA/ (N)                          | PA, self-venting    | -      | 180           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
| 2:1<br>200mL         | 112699 | AC 200-02-10-01 | PP/ (N)                          | PP, self-venting    | -      | 280           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 129165 | AC 200-02-10-05 | PP/ (N)                          | PP, self-venting    | -      | 280           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
| 2:1<br>400mL         | 108663 | AC 400-02-10-01 | PP/ (N)                          | PP, self-venting    | -      | 175           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 116318 | AC 400-02-10-04 | PP/ (N)                          | PP, self-venting    | -      | 175           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
|                      | 129156 | AC 400-02-10-05 | PP/ (N)                          | PP, self-venting    | -      | 175           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
| 4:1<br>200mL         | 127894 | AC 200-04-10-04 | PP/ (N)                          | PP, self-venting    | -      | 265           | MCH (O) MCQ (G) MGH (O) MGQ (G) | DM (P) DP (P)         |
| 4:1<br>400mL         | 112530 | AC 400-04-10-01 | PP/ (N)                          | PP, self-venting    | -      | 170           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
|                      | 115454 | AC 400-04-10-05 | PP/ (N)                          | PP, self-venting    | -      | 170           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
|                      | 115454 | AC 400-04-10-05 | PP/ (N)                          | PP, self-venting    | -      | 170           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
|                      | 116413 | AC 400-04-10-04 | PP/ (N)                          | PP, self-venting    | -      | 170           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
|                      | 128441 | AC 400-04-10-06 | PP/ (N)                          | PP, self-venting    | -      | 170           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
| 10:1<br>200mL        | 112468 | AC 200-10-10-01 | PP/ (N)                          | PP, self-venting    | -      | 250           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
|                      | 108397 | AC 200-10-10-02 | PP/ (N)                          | PP, self-venting    | -      | 250           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
|                      | 116532 | AC 200-10-10-03 | PP/ (N)                          | PP, self-venting    | -      | 250           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
|                      | 127919 | AC 200-10-10-04 | PP/ (N)                          | PP, self-venting    | -      | 250           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
|                      | 114307 | AC 200-10-30-01 | PA/ (N)                          | PA, self-venting    | -      | 250           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P)         |
| 10:1<br>400mL        | 112622 | AC 400-10-10-01 | PP/ (N)                          | PP, self-venting    | -      | 165           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P) DB (B)  |
|                      | 116580 | AC 400-10-10-04 | PP/ (N)                          | PP, self-venting    | -      | 165           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P) DB (B)  |
|                      | 113820 | AC 400-10-10-06 | PP/ (N)                          | PP, self-venting    | -      | 165           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P) DB (B)  |
|                      | 113615 | AC 400-10-10-05 | PP/ (N)                          | PP, self-venting    | -      | 165           | MCHX (O) MGH (O) MGQ (G)        | DM (P) DP (P) DB (B)  |

## Matching mixers

|                                |        |               |                    |                          |                   |           | Outlet Tip      |                  |                   |                 | Accessories |           |          |          |          |            |          |          |
|--------------------------------|--------|---------------|--------------------|--------------------------|-------------------|-----------|-----------------|------------------|-------------------|-----------------|-------------|-----------|----------|----------|----------|------------|----------|----------|
|                                | ID     | Article       | Number of Elements | Inner Diameter Ø mm/inch | Waste Volume (mL) | Units/Box | Stepped Tip (T) | Straight Tip (D) | Luer Slip Tip (L) | Tapered Tip (S) | BSD 10-25   | BSD 10-40 | LA 05-00 | LA 06-08 | LA 10-00 | BSDQ 08-38 | TA 10-ET | TC 10-ET |
| <b>1:1/2:1</b><br>MCH          | 102414 | MCH 05-18T    | 18                 | 5.0/0.197                | 2.10              | 3000      | ✓               |                  |                   |                 |             |           | ✓        |          |          |            |          |          |
|                                | 102415 | MCH 05-24T    | 24                 | 5.0/0.197                | 2.00              | 2000      | ✓               |                  |                   |                 |             |           | ✓        |          |          |            |          |          |
|                                | 102416 | MCH 05-32T    | 32                 | 5.0/0.197                | 2.60              | 2000      | ✓               |                  |                   |                 |             |           | ✓        |          |          |            |          |          |
|                                | 102417 | MCH 06-18T    | 18                 | 6.0/0.236                | 3.60              | 2000      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102418 | MCH 06-24T    | 24                 | 6.0/0.236                | 4.20              | 2000      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102419 | MCH 06-32T    | 32                 | 6.0/0.236                | 5.00              | 1700      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102421 | MCH 08-18T    | 18                 | 8.0/0.315                | 6.70              | 2000      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102424 | MCH 08-24T    | 24                 | 8.0/0.315                | 8.50              | 1500      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102425 | MCH 08-32T    | 32                 | 8.0/0.315                | 10.90             | 1200      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102427 | MCH 1008-18S  | 18                 | 8.0/0.315                | 10.20             | 1000      |                 |                  |                   | ✓               |             |           |          |          |          |            |          |          |
|                                | 102429 | MCH 10-18T    | 18                 | 10.0/ 0.394              | 12.30             | 1400      | ✓               |                  |                   |                 |             |           |          |          |          | ✓          |          |          |
|                                | 102430 | MCH 10-20D    | 20                 | 10.0/0.394               | 12.60             | 1200      |                 | ✓                |                   |                 | ✓           | ✓         |          |          |          |            | ✓        | ✓        |
|                                | 102432 | MCH 10-24D    | 24                 | 10.0/0.394               | 15.30             | 1000      |                 | ✓                |                   |                 | ✓           | ✓         |          |          |          |            | ✓        | ✓        |
|                                | 102431 | MCH 10-24T    | 24                 | 10.0/0.394               | 14.60             | 1000      | ✓               |                  |                   |                 |             |           |          |          |          | ✓          |          |          |
|                                | 102433 | MCH 10-32T    | 32                 | 10.0/0.394               | 17.70             | 900       | ✓               |                  |                   |                 |             |           |          |          |          | ✓          |          |          |
|                                | 102434 | MCH 13-12T    | 13                 | 10.0/0.394               | 14.70             | 1400      | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
|                                | 102435 | MCH 13-18T    | 18                 | 13.0/0.512               | 21.00             | 1000      | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
|                                | 102437 | MCH 13-24T    | 24                 | 13.0/0.512               | 27.30             | 800       | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
|                                | 102438 | MCH 13-32T    | 32                 | 13.0/0.512               | 25.70             | 600       | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
| <b>4:1/10:1</b><br>MCHX        | 102440 | MCHX 08-18T   | 18                 | 8.0/0.315                | 6.40              | 1800      | ✓               |                  |                   |                 |             |           |          | ✓        |          |            |          |          |
|                                | 102443 | MCHX 08-24T   | 24                 | 8.0/0.315                | 9.30              | 1500      | ✓               |                  |                   |                 |             |           |          | ✓        |          |            |          |          |
|                                | 102444 | MCHX 10-12T   | 12                 | 10.0/0.394               | 9.60              | 2000      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102445 | MCHX 10-18T   | 18                 | 10.0/0.394               | 11.90             | 1400      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102446 | MCHX 10-24T   | 24                 | 10.0/0.394               | 16.20             | 1000      | ✓               |                  |                   |                 |             |           |          |          | ✓        |            |          |          |
|                                | 102447 | MCHX 13-12T   | 12                 | 13.0/0.512               | 11.60             | 1200      | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
|                                | 112498 | MCHX 15-12-30 | 12                 | 15.0/591                 | 27.00             | 1000      | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
| <b>1:1/2:1</b><br>MCQ          | 300002 | MCQ 05-24L    | 24                 | 5.3/207                  | 3.46              | 1500      |                 |                  | ✓                 |                 |             |           |          |          |          |            |          |          |
|                                | 300006 | MCQ 07-24T    | 24                 | 7.5/295                  | 6.19              | 1000      | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
|                                | 300455 | MCQ 08-24T    | 24                 | 8.7/0.343                | 8.44              | 1300      | ✓               |                  |                   |                 |             |           |          |          |          | ✓          |          |          |
|                                | 300375 | MCQ 08-32T    | 32                 | 8.7/0.343                | 10.37             | 900       | ✓               |                  |                   |                 |             |           |          |          |          | ✓          |          |          |
|                                | 300496 | MCQ 10-24T-01 | 24                 | 10.7/0.421               | 14.04             | 800       | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
|                                | 300377 | MCQ 10-32T    | 32                 | 10.7/0.421               | 18.45             | 600       | ✓               |                  |                   |                 |             |           |          |          |          |            |          |          |
| <b>1:1/2:1/4:1/10:1</b><br>MGH | 102480 | MGH 08-06S    | 6                  | 8.0/0.315                | 3.67              | 1500      |                 |                  |                   | ✓               |             |           |          |          |          |            |          |          |
| <b>1:1/2:1/4:1/10:1</b><br>MGQ | 300469 | MGQ 08-18T    | 18                 | 8.7/0.343                | 6.70              | 1200      | ✓               |                  |                   |                 |             |           |          |          |          | ✓          |          |          |
|                                | 300454 | MGQ 08-20D    | 20                 | 8.7/0.343                | 7.57              | 1000      |                 | ✓                |                   |                 |             |           |          |          |          |            |          |          |
|                                | 300453 | MGQ 08-20T    | 20                 | 8.7/0.343                | 7.34              | 1000      | ✓               |                  |                   |                 |             |           |          |          |          | ✓          |          |          |
|                                | 300462 | MGQ 08-24D    | 24                 | 8.7/0.343                | 8.61              | 800       |                 | ✓                |                   |                 |             |           |          |          |          |            |          |          |
|                                | 300461 | MGQ 08-24T    | 24                 | 8.7/0.343                | 8.76              | 800       | ✓               |                  |                   |                 |             |           |          |          |          | ✓          |          |          |
|                                |        |               |                    |                          |                   |           |                 |                  |                   |                 |             |           |          |          |          |            |          |          |
|                                | 300493 | MGQ 10-19D    | 19                 | 10.7/0.421               | 12.15             | 800       |                 | ✓                |                   |                 |             |           |          |          |          |            |          |          |
|                                | 300497 | MGQ 10-24D    | 24                 | 10.7/0.421               | 14.49             | 650       |                 | ✓                |                   |                 |             |           |          |          |          |            |          |          |
|                                |        |               |                    |                          |                   |           |                 |                  |                   |                 |             |           |          |          |          |            |          |          |

## Matching dispensers

|                                                                                                                     | ID     | Article        | Volume<br>mL |     | Ratio |     |     |      | Force<br>(kN) |
|---------------------------------------------------------------------------------------------------------------------|--------|----------------|--------------|-----|-------|-----|-----|------|---------------|
|                                                                                                                     |        |                | 200          | 400 | 1:1   | 2:1 | 4:1 | 10:1 |               |
| <b>DM</b><br>dispenser manual      | 114413 | DM 200-01      | ✓            |     | ✓     | ✓   |     |      | 5.2           |
|                                                                                                                     | 114425 | DM 200-04      | ✓            |     |       |     | ✓   |      | 5.2           |
|                                                                                                                     | 114535 | DM 200-10      | ✓            |     |       |     |     | ✓    | 5.2           |
|                                                                                                                     | 114399 | DM 400-01      |              | ✓   | ✓     | ✓   |     |      | 6.4           |
|                                                                                                                     | 114400 | DM 400-04      |              | ✓   |       |     | ✓   |      | 6.4           |
|                                                                                                                     | 114401 | DM 400-10      |              | ✓   |       |     |     | ✓    | 6.4           |
| <b>DP</b><br>dispenser pneumatic  | 114780 | DP 200-70-01   | ✓            |     | ✓     | ✓   |     |      | 2.2           |
|                                                                                                                     | 114664 | DP 200-70-04   | ✓            |     |       |     | ✓   |      | 2.2           |
|                                                                                                                     | 114539 | DP 200-70-10   | ✓            |     |       |     |     | ✓    | 2.2           |
|                                                                                                                     | 114781 | DP 400-85-01   |              | ✓   | ✓     | ✓   |     |      | 3.2           |
|                                                                                                                     | 114782 | DP 400-85-04   |              | ✓   |       |     | ✓   |      | 3.2           |
|                                                                                                                     | 114783 | DP 400-85-10   |              | ✓   |       |     |     | ✓    | 3.2           |
|                                                                                                                     | 114466 | DP 400-100-01  |              | ✓   | ✓     | ✓   |     |      | 4.5           |
|                                                                                                                     | 114559 | DP 400-100-04  |              | ✓   |       |     | ✓   |      | 4.5           |
|                                                                                                                     | 114465 | DP 400-100-10  |              | ✓   |       |     |     | ✓    | 4.5           |
| <b>DB</b><br>dispenser battery   | 152603 | DB2 400-50-100 |              | ✓   | ✓     |     |     |      | 5.0           |
|                                                                                                                     | 152605 | DB2 400-50-200 |              | ✓   |       | ✓   |     |      | 5.0           |
|                                                                                                                     | 152607 | DB2 400-50-300 |              | ✓   |       |     | ✓   |      | 5.0           |
|                                                                                                                     | 152609 | DB2 400-50-400 |              | ✓   |       |     |     | ✓    | 5.0           |





Introducing  
Sulzer MIXPAC™  
F-Systems



# MIXPAC™ F-System

## Overview

### 200/400mL Industrial Set

#### ACCESSORIES

##### Accessories

|                                                                                   | ID     | Article    |
|-----------------------------------------------------------------------------------|--------|------------|
|  | 103663 | TA 10-ET   |
|  | 103664 | TC 10-ET   |
|  | 124698 | BSD 08-25  |
|                                                                                   | 119620 | BSD 08-40  |
|                                                                                   | 101656 | BSD 10-25  |
|                                                                                   | 101657 | BSD 10-40  |
|                                                                                   | 116166 | BSD 13-50  |
|                                                                                   | 300326 | BSDQ 08-38 |
|  | 102357 | LA 06-08   |
|  | 102358 | LA 10-00   |

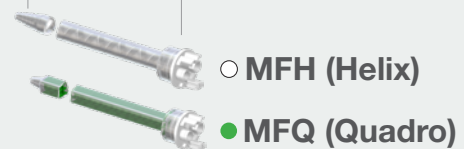
##### Outlet Tip

 Straight Tip (D)

 Luer Slip Tip (L)

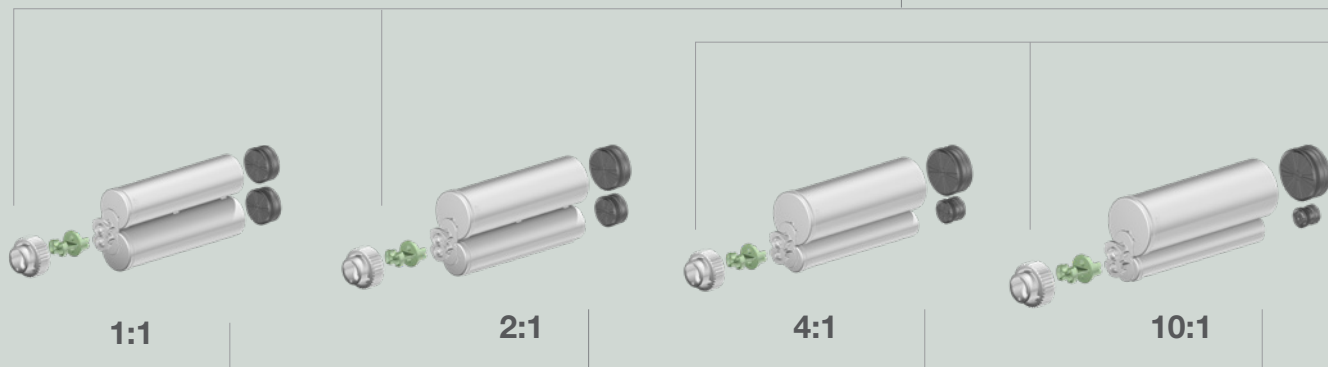
 Stepped Tip (T)

#### MIXER



200mL

#### CARTRIDGE



#### DISPENSER



## Interface Converter

F-System => B-System

| Ratio    | ID     | Article     |
|----------|--------|-------------|
| 1:1/2:1  | 116803 | IFB 001-10  |
| 4:1/10:1 | 116804 | IFBX 001-10 |

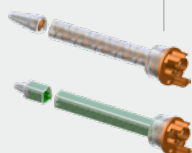


## Interface Mixer

B-System

| Ratio    | Article |
|----------|---------|
| 1:1/2:1  | MBH     |
| 4:1/10:1 | MBHX    |

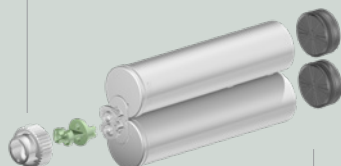
=> for further information see B-System



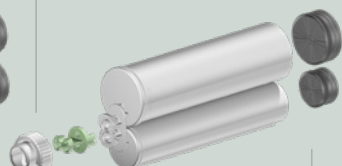
• MFHX (Helix)

• MFQX (Quadro)

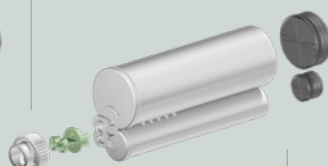
400mL



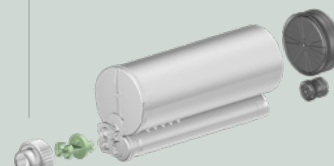
1:1



2:1



4:1



10:1

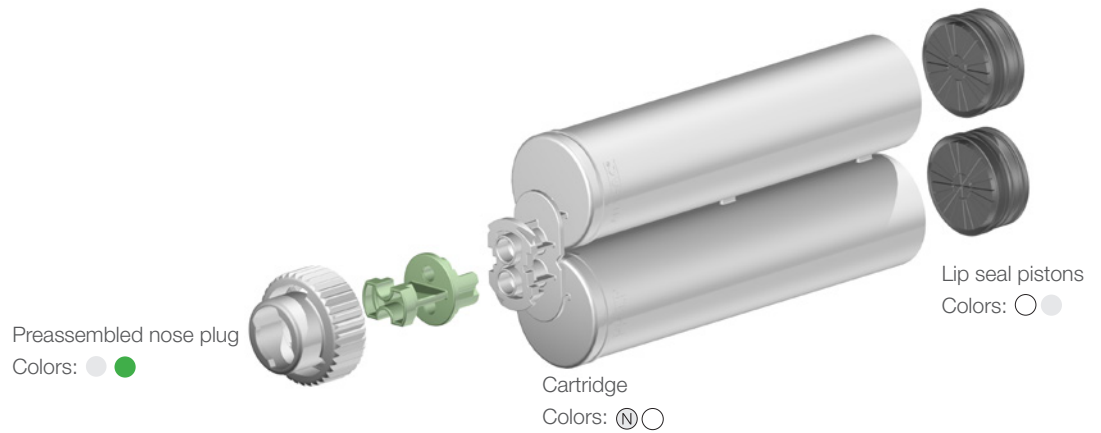


• DB

# MIXPAC™ F-System Cartridge Set

## 200 Industrial Set

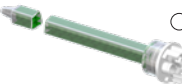
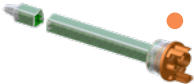
Cartridge Assembly 210-250mL



| Ratio Set/<br>Volume | ID     | Article         | Cartridges<br>Material/Color | Lip seal pistons<br>Material | O-ring | Units/<br>Box | Mixer<br>Technology | Matching<br>Dispenser |
|----------------------|--------|-----------------|------------------------------|------------------------------|--------|---------------|---------------------|-----------------------|
| <b>1:1</b><br>200mL  | 112390 | AF 200-01-10-01 | PP/ (N)                      | PP, self-venting             | -      | 300           | MFH ○ MFQ ○         | DM ● DP ●             |
|                      | 128960 | AF 200-01-10-05 | PP/ (N)                      | PP, self-venting             | -      | 300           | MFH ○ MFQ ○         | DM ● DP ●             |
|                      | 112391 | AF 200-01-30-01 | PA/ (N)                      | PA, self-venting             | -      | 300           | MFH ○ MFQ ○         | DM ● DP ●             |
| <b>2:1</b><br>200mL  | 112398 | AF 200-02-10-01 | PP/ (N)                      | PP, self-venting             | -      | 280           | MFH ○ MFQ ○         | DM ● DP ●             |
|                      | 128607 | AF 200-02-10-02 | PP/ (N)                      | PP, self-venting             | -      | 280           | MFH ○ MFQ ○         | DM ● DP ●             |
|                      | 151831 | AF 200-02-10-05 | PP/ (N)                      | PP, self-venting             | -      | 280           | MFH ○ MFQ ○         | DM ● DP ●             |
|                      | 112400 | AF 200-02-30-01 | PA/ (N)                      | PA, self-venting             | -      | 280           | MFH ○ MFQ ○         | DM ● DP ●             |
|                      | 116699 | AF 200-02-30-05 | PA/ (N)                      | PA, self-venting             | -      | 280           | MFH ○ MFQ ○         | DM ● DP ●             |
| <b>4:1</b><br>200mL  | 112393 | AF 200-04-10-01 | PP/ (N)                      | PP, self-venting             | -      | 265           | MFHX ● MFQX ●       | DM ● DP ●             |
| <b>10:1</b><br>200mL | 112402 | AF 200-10-10-01 | PP/ (N)                      | PP, self-venting             | -      | 250           | MFHX ● MFQX ●       | DM ● DP ●             |
|                      | 128961 | AF 200-10-10-05 | PP/ (N)                      | PP, self-venting             | -      | 250           | MFHX ● MFQX ●       | DM ● DP ●             |
|                      | 116053 | AF 200-10-20-01 | PBT/ (N)                     | PA, self-venting             | -      | 250           | MFHX ● MFQX ●       | DM ● DP ●             |
|                      | 116643 | AF 200-10-20-05 | PBT/ (N)                     | PA, self-venting             | -      | 250           | MFHX ● MFQX ●       | DM ● DP ●             |



Matching mixers

|                                                                                     |               |         |                    |                          |                   |           | Outlet Tip      | Accessories      |                   |          |          |          |          |           |           |           |           |            |
|-------------------------------------------------------------------------------------|---------------|---------|--------------------|--------------------------|-------------------|-----------|-----------------|------------------|-------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|------------|
|                                                                                     | ID            | Article | Number of Elements | Inner Diameter Ø mm/inch | Waste Volume (mL) | Units/Box | Stepped Tip (T) | Straight Tip (D) | Luer Slip Tip (L) | TA 10-ET | TC 10-ET | LA 06-08 | LA 10-00 | BSD-08-50 | BSD-10-25 | BSD-10-40 | BSD-13-50 | BSDQ-08-38 |
|     | 1:1/2:1 MFH   | 102466  | MFH 06-18T         | 18                       | 6.0/0.236         | 4.36      | 1700            | ✓                |                   |          |          | ✓        |          |           |           |           |           |            |
|                                                                                     |               | 102467  | MFH 06-24T         | 24                       | 6.0/0.236         | 5.40      | 1400            | ✓                |                   |          |          | ✓        |          |           |           |           |           |            |
|                                                                                     |               | 116040  | MFH 06-32T         | 32                       | 6.0/0.236         | 6.65      | 700             | ✓                |                   |          |          | ✓        |          |           |           |           |           |            |
|                                                                                     |               | 102468  | MFH 08-18T         | 18                       | 8.0/0.315         | 7.40      | 1400            | ✓                |                   |          |          | ✓        |          | ✓         |           |           |           |            |
|                                                                                     |               | 102469  | MFH 08-24T         | 24                       | 8.0/0.315         | 9.30      | 1200            | ✓                |                   |          |          | ✓        |          | ✓         |           |           |           |            |
|                                                                                     |               | 102470  | MFH 08-32T         | 32                       | 8.0/0.315         | 11.85     | 900             | ✓                |                   |          |          | ✓        |          | ✓         |           |           |           |            |
|                                                                                     |               | 102471  | MFH 10-18T         | 18                       | 10.0/0.394        | 13.09     | 1000            | ✓                |                   | ✓        | ✓        |          | ✓        |           | ✓         | ✓         |           |            |
|                                                                                     |               | 102472  | MFH 10-24T         | 24                       | 10.0/0.394        | 16.89     | 900             | ✓                |                   | ✓        | ✓        |          | ✓        |           | ✓         | ✓         |           |            |
|                                                                                     |               | 110583  | MFH 10-32T         | 32                       | 10.0/0.394        | 21.94     | 500             | ✓                |                   | ✓        | ✓        |          | ✓        |           | ✓         | ✓         |           |            |
|                                                                                     |               | 151603  | MFH 13-18T         | 18                       | 13.0/0.512        | 20.56     | 800             | ✓                |                   |          |          |          |          |           |           |           |           | ✓          |
|                                                                                     |               | 151604  | MFH 13-24T         | 24                       | 13.0/0.512        | 26.31     | 600             | ✓                |                   |          |          |          |          |           |           |           |           | ✓          |
|   | 4:1/10:1 MFHX | 102473  | MFHX 06-18T        | 18                       | 6.0/0.236         | 4.16      | 1700            | ✓                |                   |          |          | ✓        |          |           |           |           |           |            |
|                                                                                     |               | 102474  | MFHX 06-24T        | 24                       | 6.0/0.236         | 5.20      | 1400            | ✓                |                   |          |          | ✓        |          |           |           |           |           |            |
|                                                                                     |               | 113275  | MFHX 06-32T        | 32                       | 6.0/0.236         | 6.56      | 1200            | ✓                |                   |          |          | ✓        |          |           |           |           |           |            |
|                                                                                     |               | 102475  | MFHX 08-18T        | 18                       | 8.0/0.315         | 7.28      | 1400            | ✓                |                   |          |          | ✓        |          | ✓         |           |           |           |            |
|                                                                                     |               | 102476  | MFHX 08-24T        | 24                       | 8.0/0.315         | 9.14      | 1200            | ✓                |                   |          |          | ✓        |          | ✓         |           |           |           |            |
|                                                                                     |               | 112720  | MFHX 08-32T        | 32                       | 8.0/0.315         | 11.55     | 900             | ✓                |                   |          |          | ✓        |          | ✓         |           |           |           |            |
|                                                                                     |               | 102477  | MFHX 10-18T        | 18                       | 10.0/0.394        | 12.96     | 1000            | ✓                |                   | ✓        | ✓        |          | ✓        |           | ✓         | ✓         |           |            |
|                                                                                     |               | 102478  | MFHX 10-24T        | 24                       | 10.0/0.394        | 16.70     | 900             | ✓                |                   | ✓        | ✓        |          | ✓        |           | ✓         | ✓         |           |            |
|                                                                                     |               | 113250  | MFHX 10-32T        | 32                       | 10.0/0.394        | 21.22     | 500             | ✓                |                   | ✓        | ✓        |          | ✓        |           | ✓         | ✓         |           |            |
|                                                                                     |               | 151605  | MFHX 13-18T        | 18                       | 13.0/0.512        | 20.73     | 800             | ✓                |                   |          |          |          |          |           |           |           |           | ✓          |
|                                                                                     |               | 151606  | MFHX 13-24T        | 24                       | 13.0/0.512        | 26.48     | 600             | ✓                |                   |          |          |          |          |           |           |           |           | ✓          |
|   | 1:1/2:1 MFQ   | 116032  | MFQ 05-16L         | 16                       | 5.3/0.209         | 2.90      | 2500            |                  | ✓                 |          |          |          |          |           |           |           |           |            |
|                                                                                     |               | 116033  | MFQ 05-24L         | 24                       | 5.3/0.209         | 3.52      | 2000            |                  | ✓                 |          |          |          |          |           |           |           |           |            |
|                                                                                     |               | 116034  | MFQ 07-24T         | 24                       | 7.5/0.295         | 6.11      | 1500            | ✓                |                   |          |          |          |          |           |           |           |           |            |
|                                                                                     |               | 115959  | MFQ 08-24T         | 24                       | 8.7/0.343         | 8.69      | 750             | ✓                |                   |          |          |          |          |           |           |           |           | ✓          |
|                                                                                     |               | 116734  | MFQ 08-32D         | 32                       | 8.7/0.343         | 11.10     | 800             |                  | ✓                 |          |          |          |          |           |           |           |           |            |
|                                                                                     |               | 116035  | MFQ 10-24T         | 24                       | 10.7/0.421        | 14.75     | 600             | ✓                |                   |          |          |          |          |           |           |           |           |            |
|  | 4:1/10:1 MFQX | 116036  | MFQX 05-16L        | 16                       | 5.3/0.209         | 3.07      | 2500            |                  | ✓                 |          |          |          |          |           |           |           |           |            |
|                                                                                     |               | 116037  | MFQX 05-24L        | 24                       | 5.3/0.209         | 3.69      | 2000            |                  | ✓                 |          |          |          |          |           |           |           |           |            |
|                                                                                     |               | 116038  | MFQX 07-24T        | 24                       | 7.5/0.295         | 6.28      | 1500            | ✓                |                   |          |          |          |          |           |           |           |           |            |
|                                                                                     |               | 116039  | MFQX 08-24T        | 24                       | 8.7/0.343         | 8.86      | 750             | ✓                |                   |          |          |          |          |           |           |           |           | ✓          |
|                                                                                     |               | 116735  | MFQX 08-32D        | 32                       | 8.7/0.343         | 11.10     | 800             |                  | ✓                 |          |          |          |          |           |           |           |           |            |
|                                                                                     |               | 116044  | MFQX 10-24T        | 24                       | 10.7/0.421        | 14.92     | 600             | ✓                |                   |          |          |          |          |           |           |           |           |            |

Matching dispensers

|                                  |                                                                                     |        |              | Ratio |     |     |      | Force<br>(kN) |
|----------------------------------|-------------------------------------------------------------------------------------|--------|--------------|-------|-----|-----|------|---------------|
|                                  |                                                                                     | ID     | Article      | 1:1   | 2:1 | 4:1 | 10:1 |               |
| <b>DM</b><br>dispenser manual    |  | 114413 | DM 200-01    | ✓     | ✓   |     |      | 5.2           |
|                                  |                                                                                     | 114425 | DM 200-04    |       |     | ✓   |      | 5.2           |
|                                  |                                                                                     | 114535 | DM 200-10    |       |     |     | ✓    | 5.2           |
| <b>DP</b><br>dispenser pneumatic |  | 114780 | DP 200-70-01 | ✓     | ✓   |     |      | 2.2           |
|                                  |                                                                                     | 114664 | DP 200-70-04 |       |     | ✓   |      | 2.2           |
|                                  |                                                                                     | 114539 | DP 200-70-10 |       |     |     | ✓    | 2.2           |

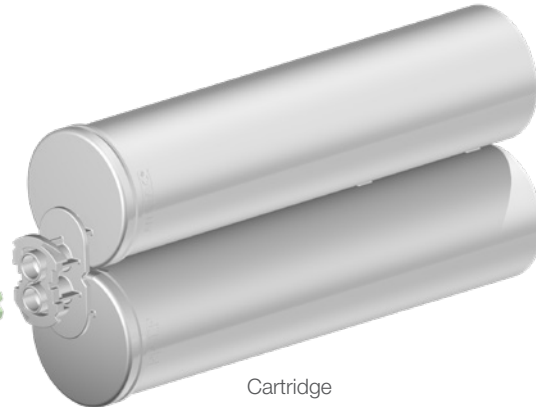
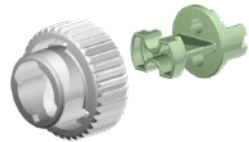
# MIXPAC™ F-System Cartridge Set

## 400 Industrial Set

Cartridge Assembly 400-490mL



Preassembled nose plug  
Colors:  



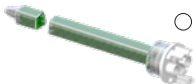
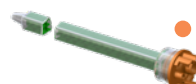
Cartridge  
Colors:  



Lip seal pistons  
Colors:  

| Ratio Set/<br>Volume | ID     | Article         | Cartridges<br>Material/Color                                                             | Lip seal pistons<br>Material | O-ring | Units/<br>Box | Mixer<br>Technology                                                                                                                                                               | Matching<br>Dispenser                                                                                                                                                                                                                                                |
|----------------------|--------|-----------------|------------------------------------------------------------------------------------------|------------------------------|--------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:1<br>400mL         | 112410 | AF 400-01-10-01 | PP/   | PP, self-venting             | -      | 180           | MFH  MFQ    | DM  DP  DB  |
|                      | 117111 | AF 400-01-10-02 | PP/   | PP, self-venting             | -      | 180           | MFH  MFQ    | DM  DP  DB  |
|                      | 128010 | AF 400-01-10-05 | PP/   | PP, self-venting             | -      | 180           | MFH  MFQ    | DM  DP  DB  |
|                      | 151424 | AF 400-01-20-04 | PBT/  | PA, self-venting             | -      | 180           | MFH  MFQ    | DM  DP  DB  |
|                      | 128011 | AF 400-01-20-05 | PBT/  | PA, self-venting             | -      | 180           | MFH  MFQ    | DM  DP  DB  |
| 2:1<br>400mL         | 112407 | AF 400-02-10-01 | PP/   | PP, self-venting             | -      | 175           | MFH  MFQ    | DM  DP  DB  |
|                      | 113679 | AF 400-02-10-02 | PP/   | PP, self-venting             | -      | 175           | MFH  MFQ    | DM  DP  DB  |
|                      | 128959 | AF 400-02-10-05 | PP/   | PP, self-venting             | -      | 175           | MFH  MFQ    | DM  DP  DB  |
|                      | 112408 | AF 400-02-30-01 | PA/   | PA, self-venting             | -      | 175           | MFH  MFQ    | DM  DP  DB  |
| 4:1<br>400mL         | 112397 | AF 400-04-10-01 | PP/   | PP, self-venting             | -      | 170           | MFHX  MFQX  | DM  DP  DB  |
|                      | 116140 | AF 400-04-20-01 | PBT/  | PA, self-venting             | -      | 170           | MFHX  MFQX  | DM  DP  DB  |
| 10:1<br>400mL        | 113745 | AF 400-10-10-01 | PP/   | PP, self-venting             | -      | 165           | MFHX  MFQX  | DM  DP  DB  |
|                      | 116612 | AF 400-10-10-05 | PP/   | PP, self-venting             | -      | 165           | MFHX  MFQX  | DM  DP  DB  |
|                      | 116089 | AF 400-10-20-01 | PBT/  | PA, self-venting             | -      | 165           | MFHX  MFQX  | DM  DP  DB  |
|                      | 116306 | AF 400-10-20-03 | PBT/  | PA, self-venting             | -      | 165           | MFHX  MFQX  | DM  DP  DB  |
|                      | 116700 | AF 400-10-20-05 | PBT/  | PA, self-venting             | -      | 165           | MFHX  MFQX  | DM  DP  DB  |

# Matching mixers

|                                                                                                           |         |                          |                                |                         |          | Units/<br>Box | Stepped Tip<br>Straight Tip<br>Luer Slip Tip |          |          | Accessories |           |           |           |            |   |  |   |   |
|-----------------------------------------------------------------------------------------------------------|---------|--------------------------|--------------------------------|-------------------------|----------|---------------|----------------------------------------------|----------|----------|-------------|-----------|-----------|-----------|------------|---|--|---|---|
| ID                                                                                                        | Article | Number<br>of<br>Elements | Inner<br>Diameter<br>Ø mm/inch | Waste<br>Volume<br>(mL) | TA 10-ET |               | TC 10-ET                                     | LA 06-08 | LA 10-00 | BSD-08-50   | BSD-10-25 | BSD-10-40 | BSD-13-50 | BSDQ-08-38 |   |  |   |   |
| <b>1:1/2:1</b><br>MFH     | 102466  | MFH 06-18T               | 18                             | 6.0/0.236               | 4.36     | 1700          | ✓                                            |          |          | ✓           |           |           |           |            |   |  |   |   |
|                                                                                                           | 102467  | MFH 06-24T               | 24                             | 6.0/0.236               | 5.40     | 1400          | ✓                                            |          |          | ✓           |           |           |           |            |   |  |   |   |
|                                                                                                           | 116040  | MFH 06-32T               | 32                             | 6.0/0.236               | 6.65     | 700           | ✓                                            |          |          | ✓           |           |           |           |            |   |  |   |   |
|                                                                                                           | 102468  | MFH 08-18T               | 18                             | 8.0/0.315               | 7.40     | 1400          | ✓                                            |          |          | ✓           |           | ✓         |           |            |   |  |   |   |
|                                                                                                           | 102469  | MFH 08-24T               | 24                             | 8.0/0.315               | 9.30     | 1200          | ✓                                            |          |          | ✓           |           | ✓         |           |            |   |  |   |   |
|                                                                                                           | 102470  | MFH 08-32T               | 32                             | 8.0/0.315               | 11.85    | 900           | ✓                                            |          |          | ✓           |           | ✓         |           |            |   |  |   |   |
|                                                                                                           | 102471  | MFH 10-18T               | 18                             | 10.0/0.394              | 13.09    | 1000          | ✓                                            |          | ✓        | ✓           |           | ✓         |           | ✓          | ✓ |  |   |   |
|                                                                                                           | 102472  | MFH 10-24T               | 24                             | 10.0/0.394              | 16.89    | 900           | ✓                                            |          | ✓        | ✓           |           | ✓         |           | ✓          | ✓ |  |   |   |
|                                                                                                           | 110583  | MFH 10-32T               | 32                             | 10.0/0.394              | 21.94    | 500           | ✓                                            |          | ✓        | ✓           |           | ✓         |           | ✓          | ✓ |  |   |   |
|                                                                                                           | 151603  | MFH 13-18T               | 18                             | 13.0/0.512              | 20.56    | 800           | ✓                                            |          |          |             |           |           |           |            |   |  | ✓ |   |
|                                                                                                           | 151604  | MFH 13-24T               | 24                             | 13.0/0.512              | 26.31    | 600           | ✓                                            |          |          |             |           |           |           |            |   |  | ✓ |   |
| <b>4:1/10:1</b><br>MFHX  | 102473  | MFHX 06-18T              | 18                             | 6.0/0.236               | 4.16     | 1700          | ✓                                            |          |          | ✓           |           |           |           |            |   |  |   |   |
|                                                                                                           | 102474  | MFHX 06-24T              | 24                             | 6.0/0.236               | 5.20     | 1400          | ✓                                            |          |          | ✓           |           |           |           |            |   |  |   |   |
|                                                                                                           | 113275  | MFHX 06-32T              | 32                             | 6.0/0.236               | 6.56     | 1200          | ✓                                            |          |          | ✓           |           |           |           |            |   |  |   |   |
|                                                                                                           | 102475  | MFHX 08-18T              | 18                             | 8.0/0.315               | 7.28     | 1400          | ✓                                            |          |          | ✓           |           | ✓         |           |            |   |  |   |   |
|                                                                                                           | 102476  | MFHX 08-24T              | 24                             | 8.0/0.315               | 9.14     | 1200          | ✓                                            |          |          | ✓           |           | ✓         |           |            |   |  |   |   |
|                                                                                                           | 112720  | MFHX 08-32T              | 32                             | 8.0/0.315               | 11.55    | 900           | ✓                                            |          |          | ✓           |           | ✓         |           |            |   |  |   |   |
|                                                                                                           | 102477  | MFHX 10-18T              | 18                             | 10.0/0.394              | 12.96    | 1000          | ✓                                            |          | ✓        | ✓           |           | ✓         |           | ✓          | ✓ |  |   |   |
|                                                                                                           | 102478  | MFHX 10-24T              | 24                             | 10.0/0.394              | 16.70    | 900           | ✓                                            |          | ✓        | ✓           |           | ✓         |           | ✓          | ✓ |  |   |   |
|                                                                                                           | 113250  | MFHX 10-32T              | 32                             | 10.0/0.394              | 21.22    | 500           | ✓                                            |          | ✓        | ✓           |           | ✓         |           | ✓          | ✓ |  |   |   |
|                                                                                                           | 151605  | MFHX 13-18T              | 18                             | 13.0/0.512              | 20.73    | 800           | ✓                                            |          |          |             |           |           |           |            |   |  | ✓ |   |
|                                                                                                           | 151606  | MFHX 13-24T              | 24                             | 13.0/0.512              | 26.48    | 600           | ✓                                            |          |          |             |           |           |           |            |   |  | ✓ |   |
| <b>1:1/2:1</b> MFQ      | 116032  | MFQ 05-16L               | 16                             | 5.3/0.209               | 2.90     | 2500          |                                              | ✓        |          |             |           |           |           |            |   |  |   |   |
|                                                                                                           | 116033  | MFQ 05-24L               | 24                             | 5.3/0.209               | 3.52     | 2000          |                                              | ✓        |          |             |           |           |           |            |   |  |   |   |
|                                                                                                           | 116034  | MFQ 07-24T               | 24                             | 7.5/0.295               | 6.11     | 1500          | ✓                                            |          |          |             |           |           |           |            |   |  |   |   |
|                                                                                                           | 115959  | MFQ 08-24T               | 24                             | 8.7/0.343               | 8.69     | 750           | ✓                                            |          |          |             |           |           |           |            |   |  |   | ✓ |
|                                                                                                           | 116734  | MFQ 08-32D               | 32                             | 8.7/0.343               | 11.10    | 800           |                                              | ✓        |          |             |           |           |           |            |   |  |   |   |
|                                                                                                           | 116035  | MFQ 10-24T               | 24                             | 10.7/0.421              | 14.75    | 600           | ✓                                            |          |          |             |           |           |           |            |   |  |   |   |
| <b>4:1/10:1</b> MFQX    | 116036  | MFQX 05-16L              | 16                             | 5.3/0.209               | 3.07     | 2500          |                                              | ✓        |          |             |           |           |           |            |   |  |   |   |
|                                                                                                           | 116037  | MFQX 05-24L              | 24                             | 5.3/0.209               | 3.69     | 2000          |                                              | ✓        |          |             |           |           |           |            |   |  |   |   |
|                                                                                                           | 116038  | MFQX 07-24T              | 24                             | 7.5/0.295               | 6.28     | 1500          | ✓                                            |          |          |             |           |           |           |            |   |  |   |   |
|                                                                                                           | 116039  | MFQX 08-24T              | 24                             | 8.7/0.343               | 8.86     | 750           | ✓                                            |          |          |             |           |           |           |            |   |  |   | ✓ |
|                                                                                                           | 116735  | MFQX 08-32D              | 32                             | 8.7/0.343               | 11.10    | 800           |                                              | ✓        |          |             |           |           |           |            |   |  |   |   |
|                                                                                                           | 116044  | MFQX 10-24T              | 24                             | 10.7/0.421              | 14.92    | 600           | ✓                                            |          |          |             |           |           |           |            |   |  |   |   |

# Matching dispensers

|                                                                                                                      |         |                |  | Ratio |     |     |      | Force<br>(kN) |
|----------------------------------------------------------------------------------------------------------------------|---------|----------------|--|-------|-----|-----|------|---------------|
| ID                                                                                                                   | Article |                |  | 1:1   | 2:1 | 4:1 | 10:1 |               |
| <b>DM</b><br>dispenser manual     | 114399  | DM 400-01      |  | ✓     | ✓   |     |      | 6.4           |
|                                                                                                                      | 114400  | DM 400-04      |  |       |     | ✓   |      | 6.4           |
|                                                                                                                      | 114401  | DM 400-10      |  |       |     |     | ✓    | 6.4           |
| <b>DP</b><br>dispenser pneumatic  | 114781  | DP 400-85-01   |  | ✓     | ✓   |     |      | 3.2           |
|                                                                                                                      | 114466  | DP 400-100-01  |  | ✓     | ✓   |     |      | 4.5           |
|                                                                                                                      | 114782  | DP 400-85-04   |  |       |     | ✓   |      | 3.2           |
|                                                                                                                      | 114559  | DP 400-100-04  |  |       |     | ✓   |      | 4.5           |
|                                                                                                                      | 114783  | DP 400-85-10   |  |       |     |     | ✓    | 3.2           |
|                                                                                                                      | 114465  | DP 400-100-10  |  |       |     |     | ✓    | 4.5           |
| <b>DB</b><br>dispenser battery    | 152603  | DB2 400-50-100 |  | ✓     |     |     |      | 5.0           |
|                                                                                                                      | 152605  | DB2 400-50-200 |  |       | ✓   |     |      | 5.0           |
|                                                                                                                      | 152607  | DB2 400-50-300 |  |       |     | ✓   |      | 5.0           |
|                                                                                                                      | 152609  | DB2 400-50-400 |  |       |     |     | ✓    | 5.0           |

# MIXPAC™ K-System

## Overview

### 2.5/5/10mL Industrial Kit

#### ACCESSORIES

##### Accessories

|                                                                                   | ID     | Article    |
|-----------------------------------------------------------------------------------|--------|------------|
|  | 102267 | IOR 209-20 |
|  | 102272 | IOT 212-20 |

##### Outlet Tip

|                                                                                     |                  |
|-------------------------------------------------------------------------------------|------------------|
|  | Tapered Tip (S)  |
|  | Straight Tip (D) |

#### MIXER



#### CARTRIDGE / PLUNGER

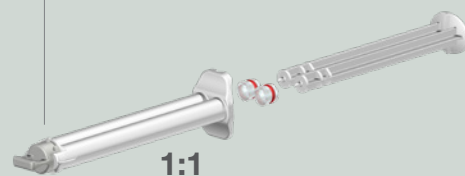
3mL



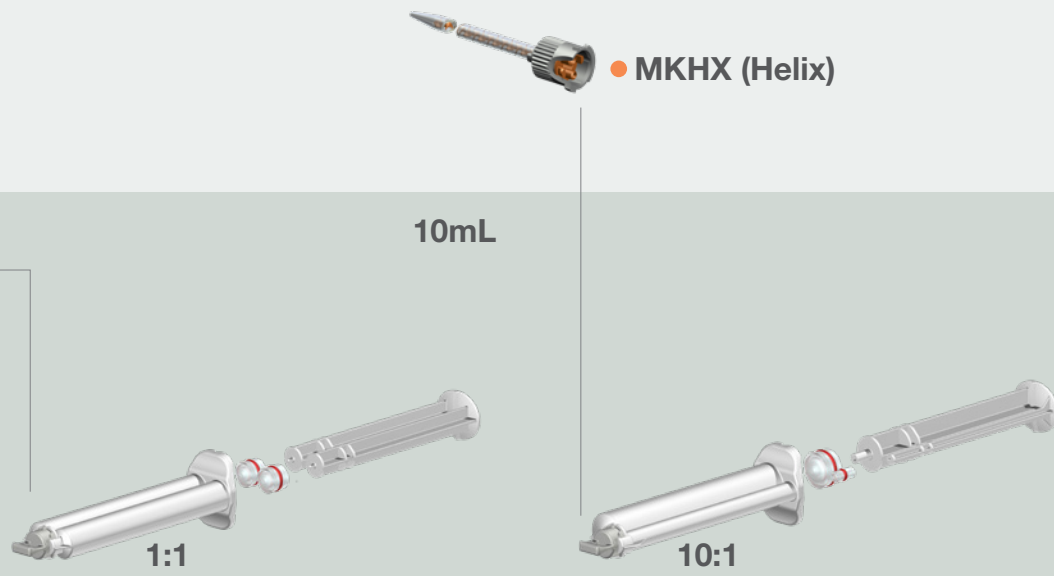
2.5mL



5mL



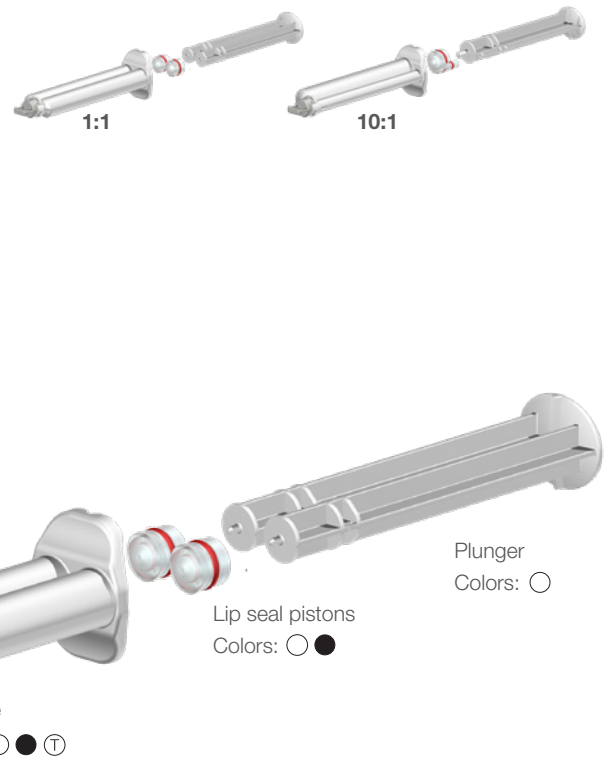




# MIXPAC™ K-System Cartridge Set

## 10 Industrial Kit

Cartridge Assembly 2.5-10mL



| Ratio Set/ Volume | ID     | Article         | Cartridges Material/Color | Plunger Color | Piston Type                               | Units/ Box | Mixer Technology |
|-------------------|--------|-----------------|---------------------------|---------------|-------------------------------------------|------------|------------------|
| 1:1<br>2.5mL      | 116436 | KK 002-01-10-01 | PP/ ○                     |               | HDPE, solid lip seal                      | 2000       | MKH ○            |
|                   | 103128 | PLH 002-01-45   |                           | ○             |                                           | 2000       |                  |
| 1:1<br>3mL        | 301643 | KK 003-01-10-01 | PP/ ①                     | ○             | HDPE, solid lip seal integrated plunger   | 36000      |                  |
|                   | 301618 | KK 003-01-10-02 | PP/ ①                     | ●             | HDPE, solid lip seal integrated plunger   | 1800       |                  |
| 1:1<br>5mL        | 116438 | KK 005-01-10-01 | PP/ ○                     |               | HDPE, solid lip seal                      | 1500       | MKH ○            |
|                   | 116667 | KK 005-01-10-02 | PP/ ①                     |               | HDPE, black, solid lip seal               | 1500       | MKH ○            |
|                   | 116764 | KK 005-01-10-05 | PP/ ①                     |               | HDPE, solid lip seal with silicone O-ring | 1500       | MKH ○            |
|                   | 116861 | KK 005-01-10-06 | PP/ ●                     |               | Silicone, solid lip seal                  | 1500       | MKH ○            |
|                   | 113403 | PLH X05-01-45   |                           | ○             |                                           | 2000       |                  |
|                   | 128616 | KK 005-01-10-07 | PP/ ○                     | ○             | PP, solid lip seal integrated plunger     | 1500       | MKH ○            |
| 1:1<br>10mL       | 116440 | KK 010-01-10-01 | PP/ ○                     |               | HDPE, solid lip seal                      | 500        | MKH ○            |
|                   | 128200 | KK 010-01-10-02 | PP/ ①                     |               | HDPE, solid lip seal                      | 500        | MKH ○            |
|                   | 116763 | KK 010-01-10-05 | PP/ ①                     |               | HDPE, solid lip seal with silicone O-ring | 500        | MKH ○            |
|                   | 113401 | PLH X10-01-45   |                           | ○             |                                           | 1000       |                  |
| 10:1<br>10mL      | 116442 | KK 010-10-10-01 | PP/ ○                     |               | HDPE, solid lip seal                      | 500        | MKHX ●           |
|                   | 116571 | KK 010-10-20-01 | PBT/ ○                    |               | HDPE, solid lip seal                      | 500        | MKHX ●           |
|                   | 113371 | PLH X10-10-45   |                           | ○             |                                           | 1000       |                  |

## Matching mixers

|                                                                                                            |        |             |                    |                          |                   |           | Outlet Tip      |                  |                   |                 | Accessories |            |
|------------------------------------------------------------------------------------------------------------|--------|-------------|--------------------|--------------------------|-------------------|-----------|-----------------|------------------|-------------------|-----------------|-------------|------------|
|                                                                                                            |        |             |                    |                          |                   |           | Stepped Tip (T) | Straight Tip (D) | Luer Slip Tip (L) | Tapered Tip (S) | IOT 212-20  | IOR 209-20 |
| <b>1:1/2:1</b><br>MKH    | ID     | Article     | Number of Elements | Inner Diameter Ø mm/inch | Waste Volume (mL) | Units/Box |                 |                  |                   |                 |             |            |
|                                                                                                            | 114252 | MKH 02-08D  | 8                  | 2.5/0.098                | 0.14              | 9000      | ✓               |                  |                   |                 | ✓           | ✓          |
|                                                                                                            | 114246 | MKH 02-08S  | 8                  | 2.5/0.098                | 0.19              | 9000      |                 |                  |                   | ✓               |             |            |
|                                                                                                            | 114253 | MKH 02-12D  | 12                 | 2.5/0.098                | 0.23              | 8000      | ✓               |                  |                   |                 | ✓           | ✓          |
|                                                                                                            | 117249 | MKH 02-12S  | 12                 | 2.5/0.098                | 0.23              | 8000      |                 |                  |                   | ✓               |             |            |
|                                                                                                            | 115686 | MKH 02-16S  | 16                 | 2.5/0.098                | 0.27              | 7000      |                 |                  |                   | ✓               |             |            |
|                                                                                                            | 114254 | MKH 03-12D  | 12                 | 3.2/0.126                | 0.39              | 6000      | ✓               |                  |                   |                 | ✓           | ✓          |
|                                                                                                            | 114250 | MKH 03-12S  | 12                 | 3.2/0.126                | 0.39              | 6000      |                 |                  |                   | ✓               |             |            |
|                                                                                                            | 114251 | MKH 03-16S  | 16                 | 3.2/0.126                | 0.49              | 4000      |                 |                  |                   | ✓               |             |            |
| <b>4:1/10:1</b><br>MKHX  | 114260 | MKHX 02-08D | 8                  | 2.5/0.098                | 0.19              | 9000      | ✓               |                  |                   |                 | ✓           | ✓          |
|                                                                                                            | 114255 | MKHX 02-08S | 8                  | 2.5/0.098                | 0.19              | 9000      |                 |                  |                   | ✓               |             |            |
|                                                                                                            | 114261 | MKHX 02-12D | 12                 | 2.5/0.098                | 0.23              | 8000      | ✓               |                  |                   |                 | ✓           | ✓          |
|                                                                                                            | 114256 | MKHX 02-12S | 12                 | 2.5/0.098                | 0.23              | 8000      |                 |                  |                   | ✓               |             |            |
|                                                                                                            | 114257 | MKHX 02-16S | 16                 | 2.5/0.098                | 0.27              | 7000      |                 |                  |                   | ✓               |             |            |
|                                                                                                            | 114262 | MKHX 03-12D | 12                 | 3.2/0.126                | 0.39              | 6000      | ✓               |                  |                   |                 | ✓           | ✓          |
|                                                                                                            | 114258 | MKHX 03-12S | 12                 | 3.2/0.126                | 0.39              | 6000      |                 |                  |                   | ✓               |             |            |
|                                                                                                            | 114259 | MKHX 03-16S | 16                 | 3.2/0.126                | 0.49              | 4000      |                 |                  |                   | ✓               |             |            |

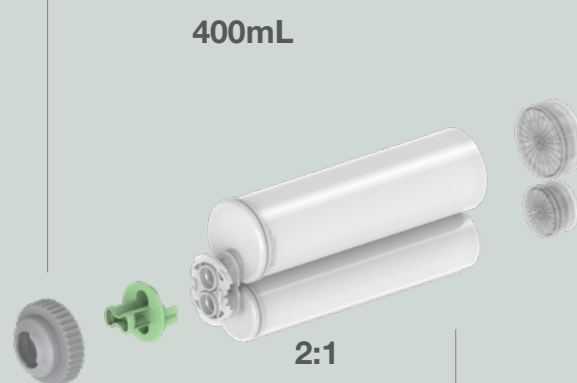
# MIXPAC™ Blueline Overview 400mL Industrial Set

ACCESSORIES

MIXER



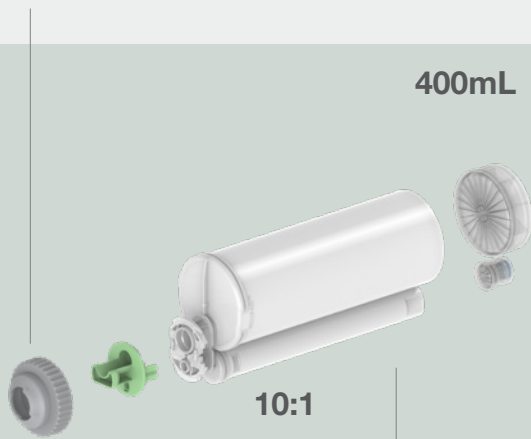
CARTRIDGE



DISPENSER







# MIXPAC™ Blueline Cartridge Set

## 400 Industrial Set

Cartridge Assembly 400mL



| Ratio<br>Set/ Volume | ID     | Article          | Cartridges<br>Material/Color | Lip seal pistons<br>Material | O-ring | Units/<br>Box | Mixer<br>Technology | Matching<br>Dispenser |
|----------------------|--------|------------------|------------------------------|------------------------------|--------|---------------|---------------------|-----------------------|
| 2:1<br>400mL         | 154087 | ABL 400-02-10-01 | PP/ ②                        | PP, self-venting             | -      | 180           | MBLT ○              | DM ● DP ●             |
| 10:1<br>400mL        | 154102 | ABL 400-10-10-01 | PP/ ②                        | PP, self-venting             | -      | 160           | MBLTX ●             | DM ● DP ●             |

## Matching mixers

|                                                                                                          | ID     | Article      | Number of Elements | Inner Diameter Ø mm/inch | Waste Volume (mL) | Units/ Box | Outlet Tip      |                  |                   |           |
|----------------------------------------------------------------------------------------------------------|--------|--------------|--------------------|--------------------------|-------------------|------------|-----------------|------------------|-------------------|-----------|
|                                                                                                          |        |              |                    |                          |                   |            | Stepped Tip (T) | Straight Tip (D) | Luer Slip Tip (L) | V Tip (V) |
| <b>2:1</b><br>MBLT    | 154011 | MBLT 14-12T  | 12                 | 14.0/ 0.551              | 18.92             | 800        | ✓               |                  |                   |           |
|                                                                                                          |        |              |                    |                          |                   |            |                 |                  |                   |           |
| <b>10:1</b><br>MBLTX  | 153993 | MBLTX 14-16V | 16                 | 14.0/ 0.551              | 23.48             | 580        |                 |                  | ✓                 |           |
|                                                                                                          |        |              |                    |                          |                   |            |                 |                  |                   |           |

## Matching dispensers

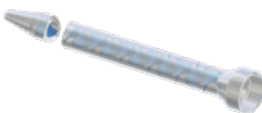
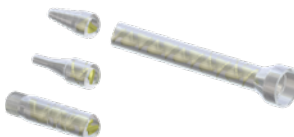
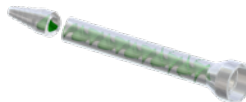
|                                                                                                                   | ID     | Article        | Ratio |     |     |      | Force (kN) |
|-------------------------------------------------------------------------------------------------------------------|--------|----------------|-------|-----|-----|------|------------|
|                                                                                                                   |        |                | 1:1   | 2:1 | 4:1 | 10:1 |            |
| <b>DM</b> dispenser manual     | 114399 | DM 400-01      | ✓     | ✓   |     |      | 6.4        |
|                                                                                                                   | 114401 | DM 400-10      |       |     |     | ✓    | 6.4        |
| <b>DP</b> dispenser pneumatic  | 114466 | DP 400-100-01  | ✓     | ✓   |     |      | 4.5        |
|                                                                                                                   | 114465 | DP 400-100-10  |       |     |     | ✓    | 4.5        |
| <b>DB</b> dispenser battery    | 152605 | DB2 400-50-200 |       | ✓   |     |      | 5.0        |
|                                                                                                                   | 152609 | DB2 400-50-400 |       |     |     | ✓    | 5.0        |

# MIXPAC™ Machine Mixers

## Overview

### Series Industrial

#### Mixers

| Series                                                                                                                | ID     | Article       | Number of Elements | Inner Diameter Ø mm/inch | Length (mm) | Units/ Box | max. Operating Pressure | Outlet tip      |                  |                   |              |
|-----------------------------------------------------------------------------------------------------------------------|--------|---------------|--------------------|--------------------------|-------------|------------|-------------------------|-----------------|------------------|-------------------|--------------|
|                                                                                                                       |        |               |                    |                          |             |            |                         | Stepped Tip (T) | Straight Tip (D) | Luer Slip Tip (L) | Threaded Tip |
| <b>ME</b><br>Machine Mixer POM<br>   | 102448 | ME 05-24T     | 24                 | 5.0/0.197                | 149.0       | 2000       | 33.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102449 | ME 05-32T     | 32                 | 5.0/0.197                | 188.0       | 2000       | 33.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102450 | ME 06-24T     | 24                 | 6.4/0.252                | 189.0       | 2000       | 30.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102451 | ME 06-32T     | 32                 | 6.4/0.252                | 235.0       | 1700       | 30.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102452 | ME 06-48T     | 48                 | 6.4/0.252                | 334.0       | 1000       | 30.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102453 | ME 08-24T     | 24                 | 8.0/0.331                | 223.0       | 1500       | 27.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102454 | ME 08-32T     | 32                 | 8.0/0.331                | 289.0       | 1200       | 27.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102456 | ME 10-24T     | 24                 | 10.0/0.394               | 276.0       | 1000       | 22.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102457 | ME 10-32T     | 32                 | 10.0/0.394               | 355.0       | 800        | 22.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102459 | ME 13-24T     | 24                 | 13.0/0.512               | 293.0       | 700        | 17.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102460 | ME 13-24T-02  | 24                 | 13.0/0.512               | 350.0       | 500        | 17.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102461 | ME 13-32T     | 32                 | 13.0/0.512               | 378.0       | 500        | 17.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102462 | ME 13-32T-02  | 32                 | 13.0/0.512               | 453.0       | 400        | 17.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102455 | ME 1012-0832T | 12+32              | 1.3/0.52                 | 409.0       | 700        | 22.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102458 | ME 1312-1032T | 12+32              | 1.3/0.52                 | 499.0       | 500        | 17.0                    |                 | ✓                |                   |              |
| <b>MS</b><br>Machine Mixer POM<br> | 102503 | MS 05-24T     | 24                 | 5.0/0.197                | 149.0       | 2000       | 33.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102504 | MS 05-32T     | 32                 | 5.0/0.197                | 188.0       | 2000       | 33.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102505 | MS 06-24T     | 24                 | 6.4/0.252                | 186.0       | 2000       | 30.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102506 | MS 06-32T     | 32                 | 6.4/0.252                | 235.0       | 1700       | 30.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102507 | MS 06-48T     | 48                 | 6.4/0.252                | 334.0       | 1000       | 30.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102508 | MS 06-56D     | 56                 | 6.4/0.252                | 378.0       | 800        | 30.0                    |                 | ✓                |                   |              |
|                                                                                                                       | 102509 | MS 06-56L     | 56                 | 6.4/0.252                | 38.0        | 800        | 30.0                    |                 |                  | ✓                 |              |
|                                                                                                                       | 102510 | MS 08-24T     | 24                 | 8.0/0.331                | 223.0       | 1500       | 27.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102511 | MS 08-32T     | 32                 | 8.0/0.331                | 289.0       | 1200       | 27.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102513 | MS 10-18T     | 18                 | 10.0/0.394               | 214.0       | 1400       | 22.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102514 | MS 10-24T     | 24                 | 10.0/0.394               | 352.0       | 1000       | 22.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102515 | MS 10-32T     | 32                 | 10.0/0.394               | 352.0       | 800        | 22.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102517 | MS 13-18G     | 18                 | 12.8/0.504               | 223.0       | 800        | 17.0                    |                 |                  |                   | ✓            |
|                                                                                                                       | 102519 | MS 13-24T-02  | 24                 | 13.0/0.512               | 350.0       | 500        | 17.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102518 | MS 13-24T     | 24                 | 13.0/0.512               | 293.0       | 700        | 17.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102522 | MS 13-32G-01  | 32                 | 13.0/0.512               | 373.0       | 400        | 17.0                    |                 |                  |                   | ✓            |
|                                                                                                                       | 102521 | MS 13-32T-02  | 32                 | 13.0/0.512               | 453.0       | 400        | 17.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102520 | MS 13-32T     | 32                 | 13.0/0.512               | 378.0       | 500        | 17.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 113743 | MS 13-12G     | 12                 | 13.0/0.512               | 159.0       | 1000       | 17.0                    |                 |                  |                   | ✓            |
|                                                                                                                       | 102512 | MS 1012-0832T | 12+32              | 1.3/0.052                | 409.0       | 700        | 22.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102516 | MS 1312-1032D | 12+32              | 1.3/0.052                | 499.0       | 500        | 17.0                    |                 | ✓                |                   |              |
| <b>MSR</b><br>Rotary Mixer POM<br> | 102499 | MSR 06-12T    | 12                 | 6.4/0.252                | 111.5       | 2000       | 30.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102500 | MSR 08-12T    | 12                 | 8.0/0.331                | 130.0       | 1500       | 27.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102501 | MSR 10-12T    | 12                 | 10.0/0.394               | 155.0       | 1500       | 22.0                    | ✓               |                  |                   |              |
|                                                                                                                       | 102502 | MSR 13-12T    | 12                 | 13.0/0.512               | 197.0       | 1000       | 17.0                    | ✓               |                  |                   |              |

For safety reasons, MIXPAC™ shrouds must be used at all times.



7/8" 9 UNC  
7/8" 14 UNF

Nut across flats  
27.0 mm (1 1/16")

## Shrouds

| Series             | ID     | Article     | Inner Diameter<br>Ø mm/inch | Length<br>(mm) | Units/<br>Box | Material        |
|--------------------|--------|-------------|-----------------------------|----------------|---------------|-----------------|
| 7/8" 9 UNC Thread  | 114351 | SH 05-24-09 | 8.2/0.323                   | 146.0          | 1             | aluminium alloy |
|                    | 114356 | SH 05-32-09 | 8.2/0.323                   | 185.0          | 1             | aluminium alloy |
|                    | 114352 | SH 06-24-09 | 10.2/0.402                  | 179.5          | 1             | aluminium alloy |
|                    | 114357 | SH 06-32-09 | 10.2/0.402                  | 228.5          | 1             | aluminium alloy |
|                    | 114349 | SH 06-48-09 | 10.7/0.421                  | 329.0          | 1             | aluminium alloy |
|                    | 114365 | SH 06-56-09 | 10.7/0.421                  | 383.5          | 1             | aluminium alloy |
|                    | 114353 | SH 08-24-09 | 12.2/0.480                  | 215.0          | 1             | aluminium alloy |
|                    | 114358 | SH 08-32-09 | 12.2/0.480                  | 279.0          | 1             | aluminium alloy |
|                    | 114354 | SH 10-24-09 | 14.2/0.559                  | 265.5          | 1             | aluminium alloy |
|                    | 114359 | SH 10-32-09 | 14.2/0.559                  | 341.5          | 1             | aluminium alloy |
|                    | 114366 | SH 13-24-09 | 17.2/0.677                  | 280.5          | 1             | aluminium alloy |
|                    | 114368 | SH 13-32-09 | 17.2/0.677                  | 365.5          | 1             | aluminium alloy |
|                    | 114362 | SH 10-44-09 | 14.2/0.559<br>12.2/0.480    | 401.0          | 1             | aluminium alloy |
|                    | 114364 | SH 13-44-09 | 17.2/0.677<br>14.2/0.559    | 503.0          | 1             | aluminium alloy |
| 7/8" 14 UNF Thread | 114335 | SH 05-24-14 | 8.2/0.323                   | 146.0          | 1             | aluminium alloy |
|                    | 114340 | SH 05-32-14 | 8.2/0.323                   | 185.0          | 1             | aluminium alloy |
|                    | 114336 | SH 06-24-14 | 10.2/0.402                  | 179.5          | 1             | aluminium alloy |
|                    | 114341 | SH 06-32-14 | 10.2/0.402                  | 228.5          | 1             | aluminium alloy |
|                    | 114348 | SH 06-48-14 | 10.7/0.421                  | 329.0          | 1             | aluminium alloy |
|                    | 114347 | SH 06-56-14 | 10.7/0.421                  | 383.5          | 1             | aluminium alloy |
|                    | 114337 | SH 08-24-14 | 12.2/0.480                  | 215.0          | 1             | aluminium alloy |
|                    | 114342 | SH 08-32-14 | 12.2/0.480                  | 279.0          | 1             | aluminium alloy |
|                    | 114338 | SH 10-24-14 | 14.2/0.559                  | 265.5          | 1             | aluminium alloy |
|                    | 114343 | SH 10-32-14 | 14.2/0.559                  | 341.5          | 1             | aluminium alloy |
|                    | 114367 | SH 13-24-14 | 17.2/0.677                  | 280.5          | 1             | aluminium alloy |
|                    | 114369 | SH 13-32-14 | 17.2/0.677                  | 365.5          | 1             | aluminium alloy |
|                    | 114345 | SH 10-44-14 | 14.2/0.559<br>12.2/0.480    | 401.0          | 1             | aluminium alloy |
|                    | 114346 | SH 13-44-14 | 17.2/0.677<br>14.2/0.559    | 503.0          | 1             | aluminium alloy |

For health and safety reasons, MIXPAC™ SH Series safety shrouds must be used at all times.



## Innovation in Application

### **Headquarters / Europe**

Sulzer Mixpac Ltd  
Ruetistrasse 7  
9469 Haag, Switzerland  
phone +41 81 772 20 00  
fax +41 81 772 20 01  
mixpac@sulzer.com  
www.sulzer.com

### **USA, South America, Canada and Mexico**

Sulzer Mixpac USA Inc.  
8 Willow St.  
Salem, NH 03079, USA  
phone +1 603 893 2727  
fax +1 603 893 3737  
info@SulzerMixpacUSA.com  
www.sulzer.com

### **UK and Ireland**

Sulzer Mixpac (UK) Ltd.  
1 Tealgate, Charnham Park  
Hungerford  
Berkshire, RG17 0YT  
United Kingdom  
Phone: +44 (0)1488 647 839  
Mobile: +44 (0)7787 687 924  
www.coxdispensers.com

### **Asia Pacific**

Sulzer Mixpac China  
68 Bei Dou Lu, Minhang  
Shanghai 200245, China  
phone +86 21 6430 68 68  
fax +86 21 6430 66 88  
mixpac@sulzer.com  
www.sulzer.com